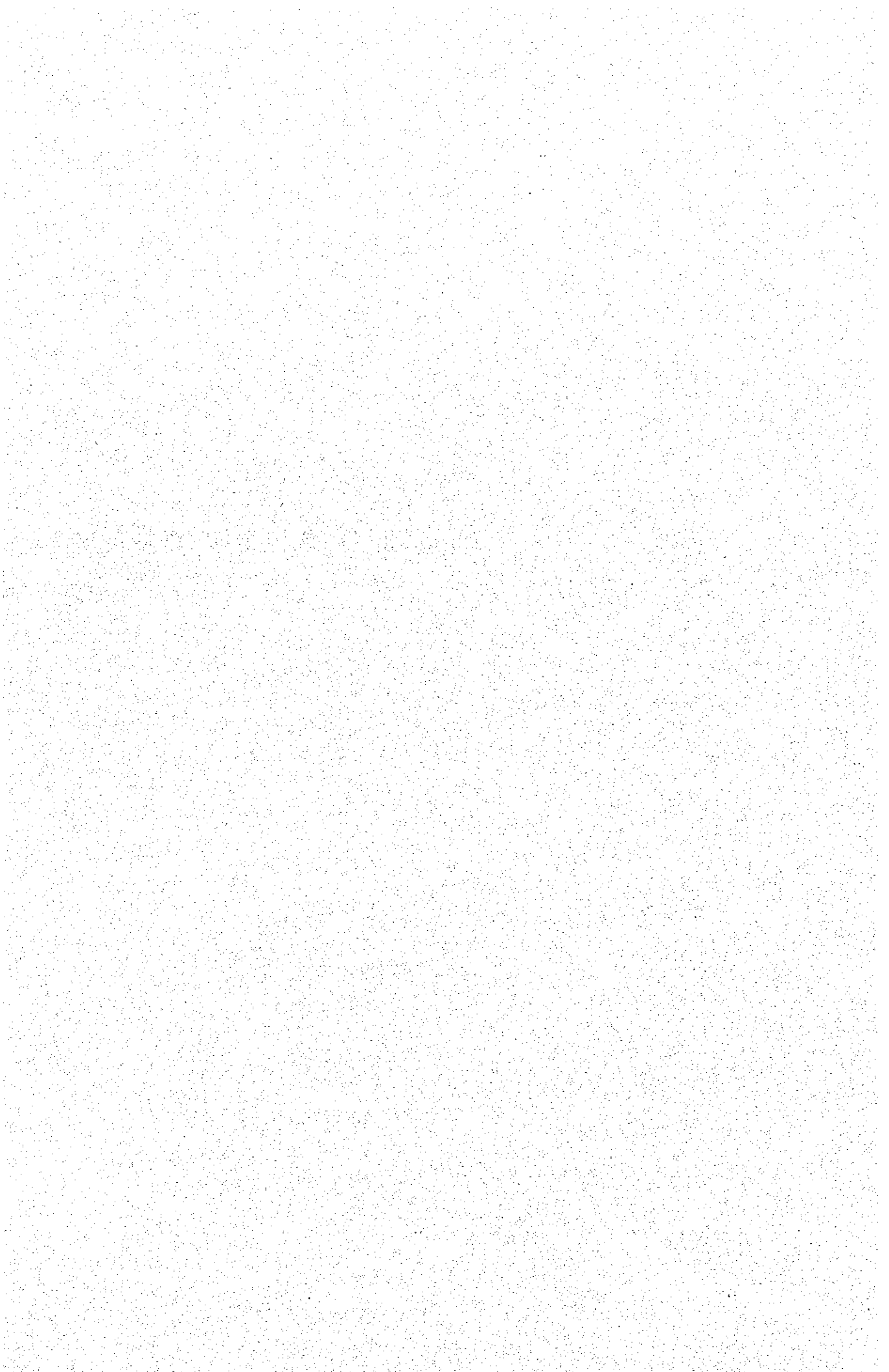
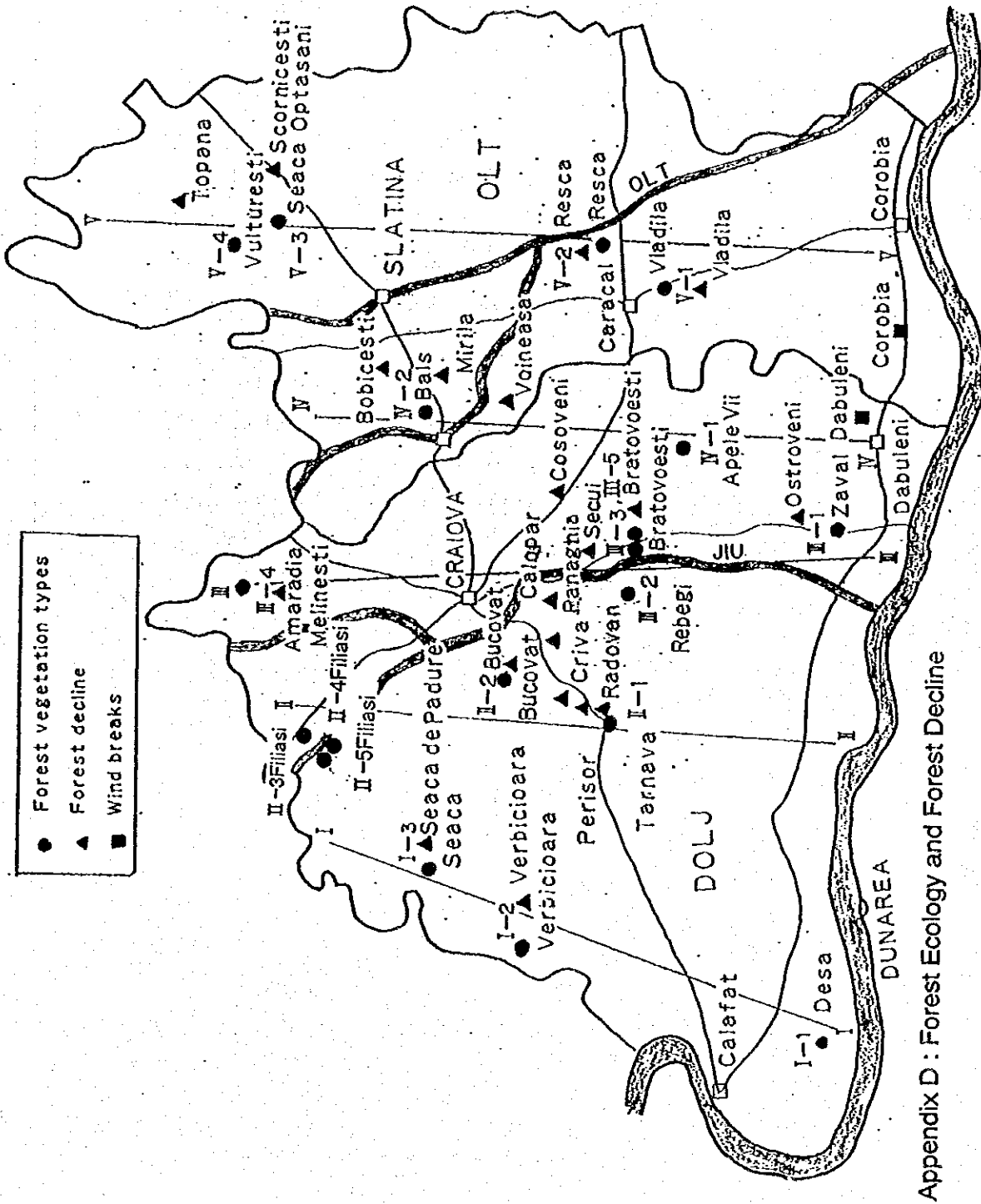


Appendix D 森林生態・森林衰退





Appendix D : Forest Ecology and Forest Decline

Appendix D-1 Positions of survey plots

Appendix D-2 Belt-transect survey for the classification of forest vegetation types

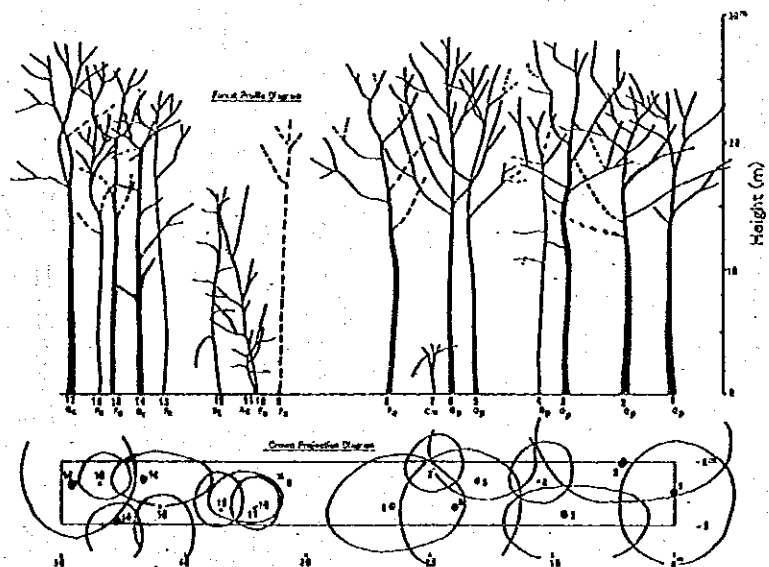
Traverse line	Belt-transect	Forest name	Forest Range	Detail of UP
I-1	17,18	Desa	Poiana Mare	UP II: 53A, 144
I-2	11,12	Verbicioara	Perisor	UP I: 103A, 75A
I-3	3,4	Seaca	Craiova	UP III: 94B, 51A
II-1	13	Tarnava	Perisor	UP III: 33A
II-2	1,2	Bucovat	Craiova	UP II: 69B, 78A
III-1	9,10	Zaval	Sadova	UP III: 11A, 14A
III-2	16	Rebegi	Segarcea	UP IV: 6B
III-3	5,6	Bratovoesti	Craiova	UP I: 72A, UP IV: 66C
III-4	7,8	Amaradia	Amaradia	UP I: 32C, 32D
IV-1	14,15	Celaru, Madona	Apele Vii	UP III: 9, UP I: 79B
IV-2	21,22	Bals	Bals	UP V: 65A, 91B
V-1	25,26	Vladila	Caracal	UP I: 44B, 43B
V-2	23,24	Resca	Caracal	UP III: 65A, 52A
V-3	19,20	Seaca Optosani	Slatina	UP V: 57A, 37
V-4	27,28	Vulturesti	Vulturesti	UP I: 98H, 101G
III-5	29	Bratovoesti	Craiova	UP IV: 85
II-3	30	Filiasi	Filiasi	UP III: 19B
II-4	31	Filiasi	Filiasi	UP II: 140
II-5	32	Filiasi	Filiasi	UP II: 141B

Appendix D-3 Forest profile diagrams and crown projection diagrams of the Belt-transects by each forest vegetation type.

(1) Vegetation Type 1: *Quercus petraea* forest (No. 32 Belt-transect, Filiasi)

Species	Number of trees		Tree height class (m)						Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)		
	Number	%	4	5	16	18	22	24				26	28
<i>Quercus petraea</i> (Op)	8	35.3					1	2	1	2	152	215.0	49.3
<i>Quercus robur</i> (Or)	1	5.9						1			22	27.1	6.6
<i>Quercus cerris</i> (Oc)	1	5.9								1	29	28.6	7.8
<i>Fraxinus excelsior</i> (Fe)	6	35.3				1	1	1	2		118	93.4	28.2
<i>Sorbus torminalis</i> (St)	1	5.9			1						16	13.6	4.0
<i>Acer campestre</i> (Ac)	1	5.9		1							5	13.3	2.5
<i>Crataegus monogyna</i> (Cm)	1	5.9	1								4	9.7	1.8
Total	17	100.1	1	1	1	1	3	3	3	3	343	400.7	100.0

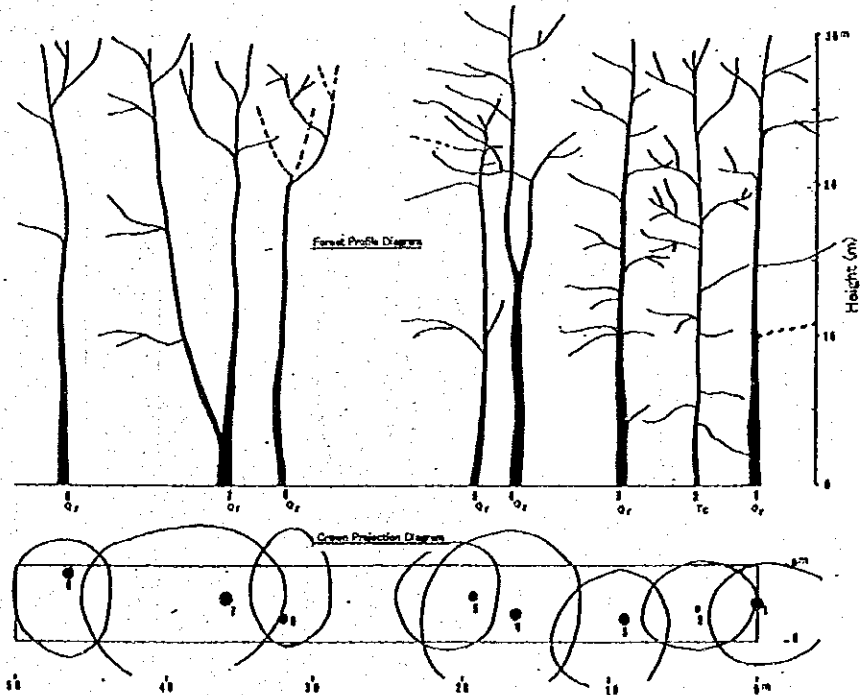
Note: Diameter of breast height (cm): 8-58
 Fe: 6 trees include 1 dead tree



(2) Vegetation Type 2: *Quercus robur* forest (No. 30 Belt-transect, Filiasi)

Species	Number of trees		Tree height class (m)				Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)
	Number	%	26	28	30	32			
<i>Quercus robur</i> (Or)	7	87.5	1	4	1	1	206	254.0	87.5
<i>Tilia cordata</i> (Tc)	1	12.5		1			30	36.0	12.5
Total	8	100.0	1	5	1	1	236	290.0	100.0

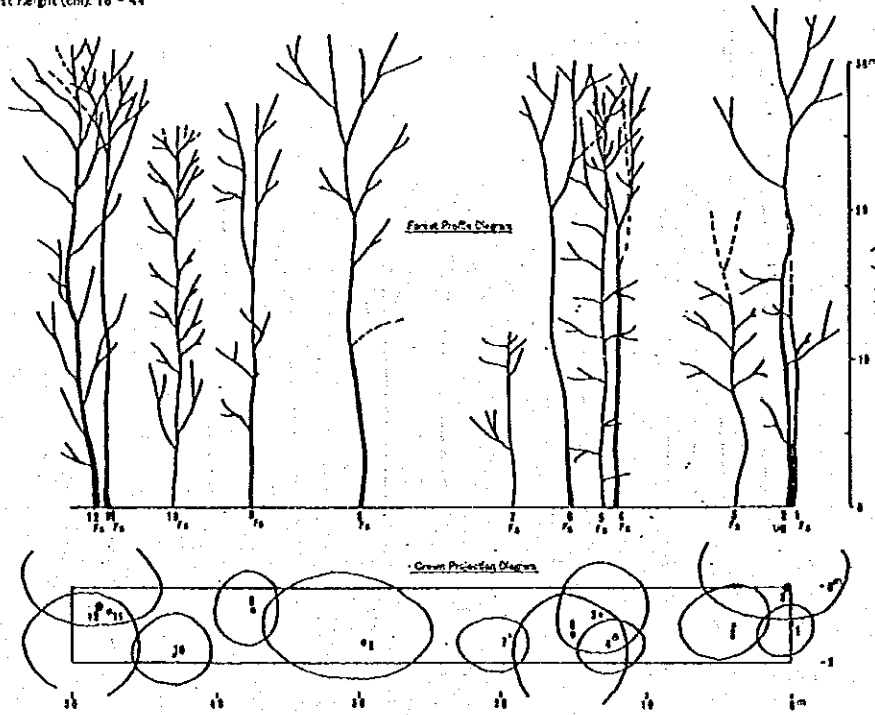
Note: Diameter of breast height (cm): 30-85



(3) Vegetation Type 3: *Fagus sylvatica* forest (No. 31 Belt-transect, Filiasi)

Species	Number of trees		Tree height class (m)							Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)
	Number	%	12	20	28	28	30	32	34			
<i>Fagus sylvatica</i> (Fs)	11	91.7	1	2	1	2	3	2		289	224.0	92.1
<i>Ulmus glabra</i> (Ug)	1	8.3						1		34	8.6	7.9
Total	12	100.0	1	2	1	2	3	2	1	322	233.6	100.0

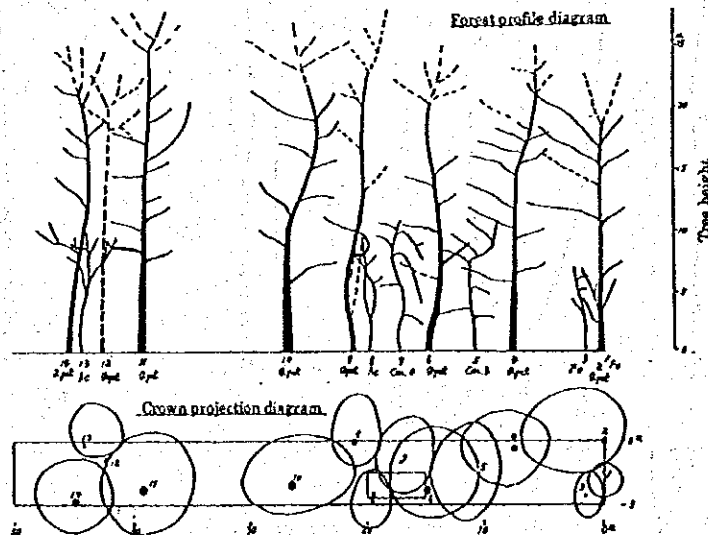
Note: Diameter of breast height (cm): 18 - 44



(4) Vegetation Type 4: Mixed forest of *Quercus petraea* and others (No. 1 Belt-transect, Bucovat)

Species	Number of trees		Tree height class (m)						Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)		
	Number	%	7	9	11	23	24	25				27	28
<i>Quercus petraea</i> (Qpet)	8 (1)	57.1				2 (1)	1	2	1	2	189	180.9	82.7
<i>Fraxinus ornus</i> (Fo)	2	14.3		2							14	8.6	7.1
<i>Acer campestre</i> (Ac)	2	14.3		2							18	11.9	9.3
<i>Carpinus betulus</i> (Cb)	1	7.1			1						11	27.6	12.0
<i>Carpinus orientalis</i> (Co)	1	7.1			1						11	17.7	8.9
Total	14 (1)	100.0	2	2	2	2 (1)	1	2	1	2	234	246.9	100.0

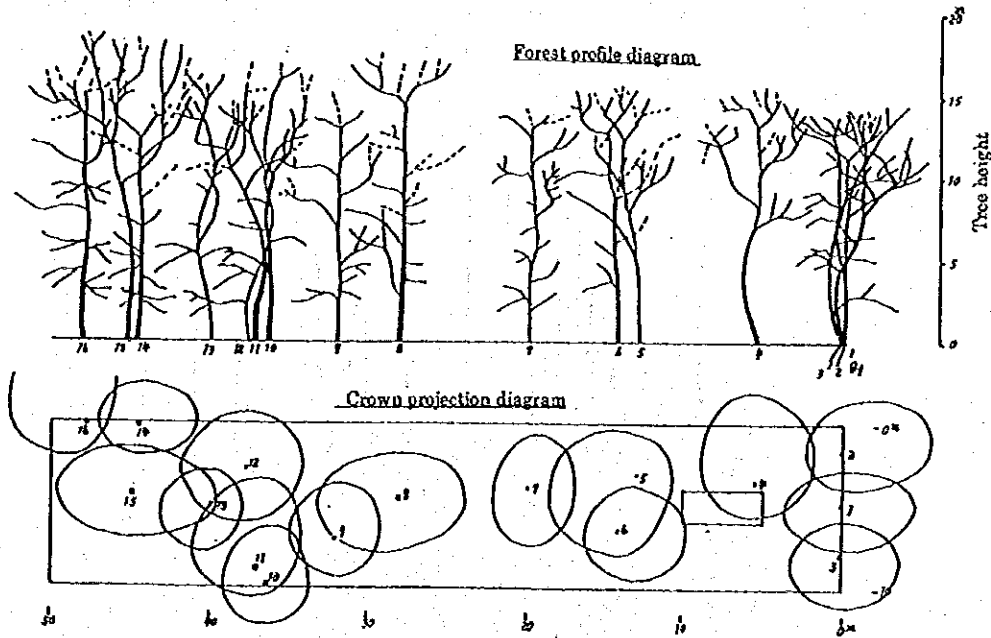
Note: Diameter of breast height (cm): 6-48



(5) Vegetation Type 5: *Quercus frainetto* forest (No. 28 Belt-transect, Vulturesti)

Species	Number of trees		Tree height class (m)				Total height (m)	Total covered area (m ²)	Summed dominance ratio (N)
	Number	%	14	15	17	18			
<i>Quercus frainetto</i> (Qf)	18	100.0	6	6	3	1	243	412.5	100.0
Total	18	100.0	6	6	3	1	243	412.5	100.0

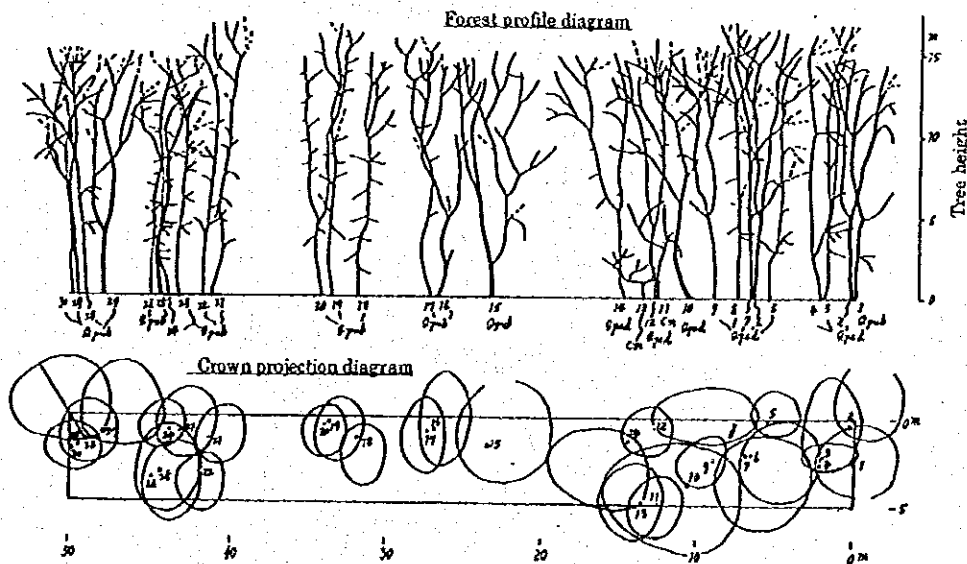
Note: Diameter of breast height (cm): 24-34



(6) Vegetation Type 6: Mixed forest of *Quercus pubescens* and *Q. pedunculiflora* (No. 25 Belt-transect, Vladia)

Species	Number of trees		Tree height class (m)					Total height (m)	Total covered area (m ²)	Summed dominance ratio (N)		
	Number	%	3	6	13	14	15				16	17
<i>Quercus pubescens</i> (Qpub)	17	56.7			3	1	10	1	2	253	139.0	53.7
<i>Q. pedunculiflora</i> (Qped)	11	36.7					5	3	3	174	141.3	43.2
<i>Crataegus monogyna</i> (Co)	2	6.7	1	1						9	13.6	3.1
Total	30	100.0	1	1	3	1	15	4	5	436	293.9	100.0

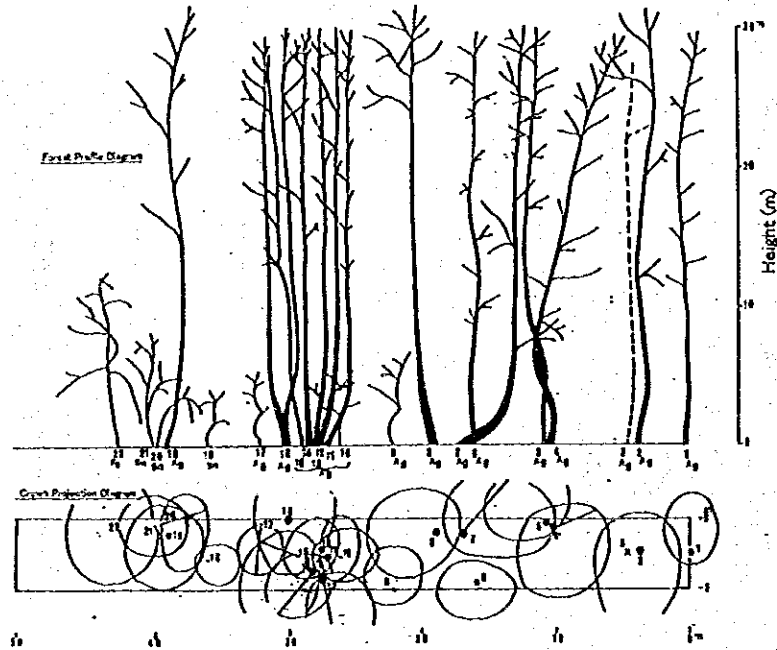
Note: Diameter of breast height (cm): 8-24



(7) Vegetation Type 7: *Alnus glutinosa* forest (No. 29 Belt-transect, Bratovoesti)

Species	Number of trees		Tree height class (m)						Total height (m)	Total covered area (m ²)	Summed dominance ratio (N)	
	Number	%	4	5	8	12	28	30				32
<i>Alnus glutinosa</i> (Ag)	15	68.2					2	10	3	452	269.6	73.6
<i>Fraxinus excelsior</i> (Fe)	1	4.5				1				12	28.0	7.8
<i>Sambucus nigra</i> (Sn)	6	27.3	1	3	1	1				33	68.7	18.8
Total	22	100.0	1	3	1	1	1	2	10	497	366.3	100.0

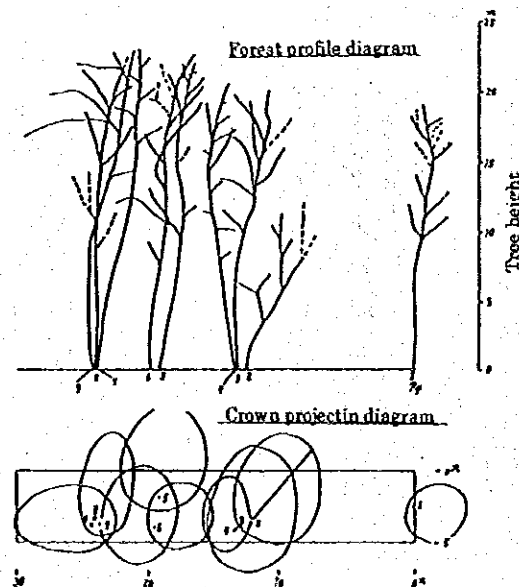
Note: Diameter of breast height (cm): 8-70



(8) Vegetation Type 8: *Robinia pseudoacacia* forest (No. 18 Belt-transect, Desa)

Species	Number of trees		Tree height class (m)					Total height (m)	Total covered area (m ²)	Summed dominance ratio (N)	
	Number	%	11	18	20	21	22				23
<i>Robinia pseudoacacia</i> (Rp)	9	100.0	1	1	1	1	2	3	184	172.4	100.0
Total	9	100.0	1	1	1	1	2	3	184	172.4	100.0

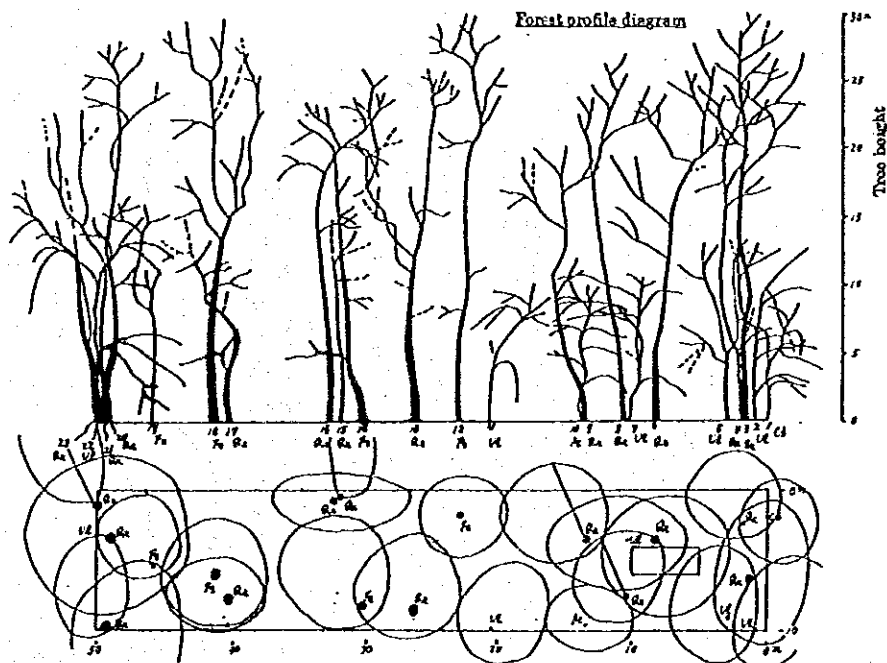
Note: Diameter of breast height (cm): 7-18



(9) Vegetation Type 9: Mixed forest of *Quercus robur* with *Fraxinus excelsior* (No. 23 Belt-transect, Resca)

Species	Number of trees		Tree height class (m)													Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)			
	Number	%	9	10	11	13	15	18	18	20	22	23	24	25	26				27	28	30
<i>Quercus robur</i> (Qr)	12	52.2					2		1	1		1	1	1	1	1	2	1	278	328.1	53.2
<i>Fraxinus excelsior</i> (Fa)	4	17.4							1		1							2	99	157.6	22.7
<i>Ulmus laevis</i> (Ul)	5	21.7			1	1	2	1											62	164.5	20.0
<i>Acer campestre</i> (Ac)	1	4.3			1														10	18.0	2.5
<i>Carpinus betulus</i> (Cb)	1	4.3	1																9	8.8	1.6
Total	23	100.0	1	2	1	2	3	1	1	1	1	1	1	1	1	1	2	3	458	877.0	100.0

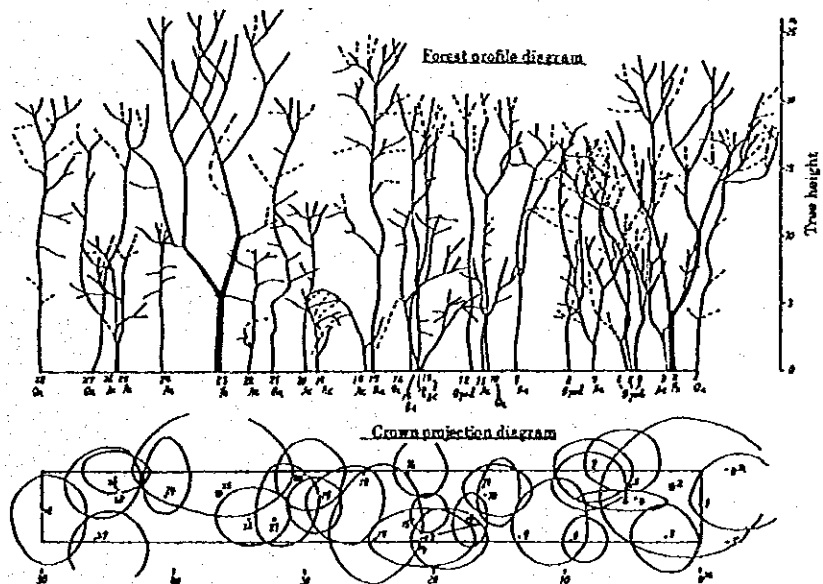
Note: Diameter of breast height (cm): 22-62



(10) Vegetation Type 10: Mixed forest of *Quercus robur* and *Q. pedunculiflora* with *Fraxinus excelsior* and Others (No. 16 Belt-transect, Rebagi)

Species	Number of trees		Tree height class (m)													Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)		
	Number	%	6	7	8	9	10	11	12	16	17	18	20	21	23				25	27
<i>Quercus robur</i> (Qr)	9	32.1											2	5	1		1	182	124.7	39.0
<i>Q. pedunculiflora</i> (Qped)	5	17.9											1	3				87	39.8	18.2
<i>Acer campestre</i> (Ac)	12	42.9	3	1	1	1	3	1	2									107	159.0	33.9
<i>Fraxinus excelsior</i> (Fa)	2	7.1													1		1	50	35.4	10.9
Total	28	100.0	3	1	1	1	3	1	2	1	3	2	6	1	1	1	1	426	358.9	100.0

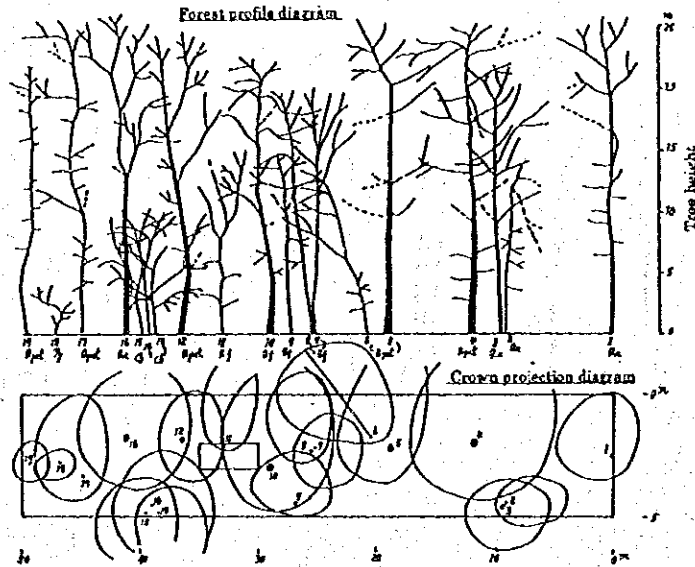
Note: Diameter of breast height (cm): 8-50



(11) Vegetation Type 11: Mixed forest of *Quercus petraea*, *Q. robur* and *Q. frainetto* (No. 27 Belt-transect, Vulturesti)

Species	Number of trees		Tree height class (m)										Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)		
	Number	%	4	8	13	14	15	18	20	22	23	25				28	
<i>Quercus robur</i> (Qr)	4	21.1				1				1			2		63	128.7	21.8
<i>Quercus petraea</i> (Qp)	6	31.6			1						1		2		187	249.1	39.3
<i>Quercus frainetto</i> (Qf)	5	28.3					1	1	2		1			94	174.9	27.3	
<i>Carpinus betulus</i> (Cb)	3	15.8		1			2							38	64.1	10.4	
<i>Pinus pyramidalis</i> (Pp)	1	5.3	1											4	7.6	1.2	
Total	19	100.0	1	1	1	1	3	1	2	2	1	2	4	411	622.3	100.0	

Note: Diameter of breast height (cm): 8-58



Appendix D-4 Survey of natural seeding in plot of the belt-transect

Traverse- line	Belt- transect	Forest name	Seedlings by natural seeding										Fo	UI	Tp	Cb			
			Of	Oc	Opet	Qpub	Oped	Or	Fe	Ac	Ta	Ta							
I-2	11	Verbicioara	-	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Upper : No. of trees per ha (trees)
I-3	3	Seaca	22,000	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Lower : Average tree height (cm)
I-3	4	Seaca	12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
I-3		Seaca	29,000	11.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
II-1	13	Tarnava	108,000	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
II-1		Tarnava	-	11.0	72,000	10.3	-	-	-	-	-	-	-	-	-	-	-	-	
II-2	1	Bucovat	-	-	139,000	16.2	-	-	-	-	-	-	-	-	-	-	-	-	
II-2	2	Bucovat	-	17.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
III-1	9	Zaval	-	-	-	-	-	2,000	19,000	3,000	-	-	-	-	-	-	-	-	
III-1		Zaval	-	-	-	-	-	15.0	5.8	3.0	-	-	-	-	-	-	-	-	
III-1	10	Zaval	-	-	-	-	-	-	14,000	13,000	-	-	-	-	-	-	-	-	
III-1		Zaval	-	-	-	-	-	-	7.9	7.0	-	-	-	-	-	-	-	-	
III-2	16	Rebegi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
III-3	5	Bratovoesti	-	-	-	-	-	4,000	16,000	8,000	1,000	-	-	-	-	-	-	-	
III-3		Bratovoesti	-	-	-	-	-	12.5	11.9	18.6	63.0	-	-	-	-	-	-	-	
III-3	6	Bratovoesti	-	-	-	-	-	11,000	24,000	14,000	23,000	-	-	-	-	-	-	-	
III-3		Bratovoesti	-	-	-	-	-	17.5	39.7	23.5	29.9	-	-	-	-	-	-	-	
III-4	7	Amaradia	6,000	-	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	9,000
III-4		Amaradia	13.3	-	12.3	-	-	-	-	-	-	-	-	-	-	-	-	-	29.3
III-4	8	Amaradia	5,000	43,000	-	-	-	-	-	1,000	-	-	-	-	-	-	-	-	-
III-4		Amaradia	9.2	11.7	-	-	-	-	-	10.0	-	-	-	-	-	-	-	-	-
IV-2	21	Bals	-	74,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IV-2		Bals	-	11.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IV-2	22	Bals	17,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IV-2		Bals	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-1	25	Vladila	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-1		Vladila	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-2	23	Resca	-	-	-	-	-	6,000	12,000	7,000	-	-	-	-	-	-	-	-	5,000
V-2		Resca	-	-	-	-	-	12.7	16.3	15.3	-	-	-	-	-	-	-	-	25.6
V-2	24	Resca	5,000	90,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	5,000
V-2		Resca	20.0	31.3	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	66.0
V-3	19	Optasani	5,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-3		Optasani	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-3	20	Optasani	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-3		Optasani	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-4	27	Vulturesti	7,000	4,000	-	-	-	2,000	-	-	-	-	-	-	-	-	-	-	5,000
V-4		Vulturesti	8.7	7.5	-	-	-	11.0	-	-	-	-	-	-	-	-	-	-	11.6
V-4	28	Vulturesti	14,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
V-4		Vulturesti	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Appendix D-5 Data of litter trap survey (July to October in 1998, Seaca-Optosani forest)

3. September																
1. July Trap no.	Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components		Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components	
	<i>Q.frainetto</i>		<i>Loranthus europaeus</i>		<i>Q.frainetto</i>		<i>Loranthus europaeus</i>		<i>Q.frainetto</i>		<i>Loranthus europaeus</i>		<i>Q.frainetto</i>		<i>Loranthus europaeus</i>	
	g	g	g	g	new(g)	old(g)	g	g	g	g	new(g)	old(g)	g	g	new(g)	old(g)
1	2.0	0.7	7.2	0.6	3.9	-	5.0	-	44.5	0.5	10.0	-	60.0	-	2.6	-
2	1.3	0.2	3.5	-	2.4	-	3.7	-	54.0	0.1	15.4	-	27.2	-	1.3	-
3	2.7	0.2	21.2	0.5	2.4	0.5	4.4	-	125.1	0.5	17.5	-	10.0	-	2.0	-
4	0.8	0.1	2.2	-	3.7	-	3.6	-	88.4	0.8	20.1	-	8.5	-	4.3	-
5	5.5	0.2	9.6	-	1.3	0.8	4.8	-	84.0	0.8	40.2	-	11.7	-	3.8	-
6	3.2	-	12.4	-	2.5	2.2	5.4	-	103.2	-	35.2	-	55.0	-	5.0	-
7	6.2	0.2	11.8	-	1.8	-	3.6	-	111.0	0.1	16.6	-	19.1	-	2.4	-
8	3.1	-	28.4	-	-	-	5.3	-	110.1	-	47.0	-	9.0	-	3.8	-
9	3.2	0.1	2.2	-	0.8	-	3.1	-	106.1	0.4	22.8	-	12.0	-	5.1	-
10	2.7	0.4	11.0	-	3.7	0.4	6.0	-	90.0	0.9	25.6	-	5.2	-	3.8	-

4. October																
2. August Trap no.	Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components		Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components	
	<i>Q.frainetto</i>		<i>Loranthus europaeus</i>		<i>Q.frainetto</i>		<i>Loranthus europaeus</i>		<i>Q.frainetto</i>		<i>Loranthus europaeus</i>		<i>Q.frainetto</i>		<i>Loranthus europaeus</i>	
	g	g	g	g	new(g)	old(g)	g	g	g	g	new(g)	old(g)	g	g	new(g)	old(g)
1	2.1	0.5	0.5	-	4.8	0.3	2.5	-	36.8	1.0	15.0	-	10.0	-	2.2	-
2	1.8	0.3	2.0	-	0.6	-	1.4	-	128.1	-	24.3	-	7.0	-	0.8	-
3	1.7	0.3	3.4	-	0.2	0.4	0.8	-	95.1	0.8	7.2	-	5.0	-	1.2	-
4	2.4	0.3	-	-	1.2	-	0.4	-	108.6	2.1	18.0	-	6.9	-	1.8	-
5	2.2	0.2	1.0	-	1.1	-	1.5	-	202.0	1.2	10.6	-	8.2	-	2.1	-
6	1.3	-	0.8	-	1.6	0.6	2.1	-	211.1	0.5	18.0	-	15.0	-	3.8	-
7	1.8	0.1	0.5	-	-	-	2.0	-	150.0	1.3	16.2	-	5.4	-	2.4	-
8	1.8	-	0.5	-	-	-	3.0	-	192.8	-	17.1	-	3.0	-	2.6	-
9	11.6	0.1	2.5	-	-	-	1.7	-	203.5	0.6	29.1	-	2.8	-	2.1	-
10	5.0	0.3	1.2	-	0.3	-	2.8	-	154.0	1.0	19.2	-	3.4	-	4.2	-

Notes:

- In July there has been a strong storm that broke the branches, leaves and "snattered" the trees. This explains the relatively large quantity of branches including the *Loranthus europaeus* which are very fragile.
- August has been very dry (hot and very quiet). That explains the low quantities registered for all the entities.
- September had a better weather alternating with rainy but quiet weather. The acorn matured and most of it fell down. At the category "other components" included the acorns cups together with the dead insects, floral remainings, bud scales etc.
- In October the weather became colder. There were no nights with frost, but they had hoarfrost. The foliage fell in 50~80% in Seaca-optasani forest.

Appendix D-6 Survey plots for the forest decline

No.	Forest name	Forest Range	Survey plots	Main species	Integrated evaluation
1	Bucovat	Craiova	UP II, 63	Q.f	2
2	Criva	Craiova	UP I, 65B	Q.f, Q.c	2
3	Seaca de padure	Craiova	UP III, 90	F.e, Q.r, Q.c	2
4	Bratovoesti	Craiova	UP IV, 76	Q.r, Q.c, F.e	2
5	Secui	Craiova	UP IV, 19	P.I-214, P.R-16	1~2
6	Cosoveni	Craiova	UP IV, 143	Q.f, Q.c	2
7	Panaghia	Segarcea	UP IV, 17	Q.c, Q.f	2~3
8	Calopar	Segarcea	UP V, 17	Q.c, Q.f	2
9	Radovan	Segarcea	UP III, 72	Q.r, A.n, F.e	2
10	Ostroveni	Sadova	UP II, 54C	P.e	1~2
11	Melinesti	Amaradia	UP I, 22	Q.pet, Q.f	2~3
12	Perisor	Perisor	UP III, 54	Q.pub, Q.c, Q.h	2~3
13	Verbicioara	Perisor	UP I, 64	Q.f	2~3
14	Verbicioara	Perisor	UP I, 62A	Q.c, Q.f	2~3
15	Voinesa	Bals	UP I, 15	Q.f	2
16	Mirila	Bals	UP V, 145	Q.f, Q.c, F.o	3~4
17	Bobicesti	Bals	UP V, 79	Q.f, Q.c	2
18	Vladila	Caracal	UP I, 38A	Q.pub, Q.ped, Q.r	2~3
19	Resca	Caracal	UP III, 49A	Q.r, F.e, P.p	2~3
20	Topana	Vulturesti	UP III, 23	Q.f, Q.c, Q.h	2~3
21	Scornicesti	Slatina		Q.f	2~3
22	Seaca Optasani	Slatina		Q.f	2~3

Note: Q.f: *Quercus frainetto*

Q.c: *Quercus cerris*

F.e: *Fraxinus excelsior*

P.I-214: *Populus I-214*

P.R-16: *Populus R-16*

A.n: *Acer negundo*

P.e: *Populus euroamericana*

Q.pet: *Quercus petraea*

F.o: *Fraxinus ornus*

Q.pub: *Quercus pubescens*

Q.ped: *Quercus pedunculiflora*

Q.h: Hibrid of *Q.robur* and *Quercus frainetto*

P.p: *Pyrus pyraeaster*

Appendix D-7 Forest Decline Grade of Each Trees on Each Belt-Transsect

Appendix D-7(1) No.1 Bucovat UP II, 63 (Craiova) Date: July 17 98

Distance from edge(m)	0	0	3	8	11	13	16	24	27	30	34	41	42	43	52	54	56	59	64	67	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	1	2	1	2	2	3	1	2	3	1	2	0	2	2	0	2	1	2	0	0	3
Die back	1	2	1	2	3	3	2	2	3	2	2	0	2	2	2	1	2	1	1	1	
Defoliation ratio	1	2	1	3	2	3	2	2	3	2	2	1	2	2	2	2	3	1	1	1	3
Density of branch & leaf	1	1	1	2	2	2	1	2	3	2	2	0	2	2	2	1	2	1	0	2	
Leaf color	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	1	0	1	1	0	0	0	1	1	1	0	1	1	2	1	2	1	0	1	1
Integrated evaluation	1.0	1.8	1.0	2.3	2.3	2.8	1.5	2.0	3.0	1.8	2.0	0.3	2.0	2.0	2.0	1.3	2.3	0.8	0.5	2.3	

Distance from edge(m)	76	79	82	82	87	89	92	92	95	95	95	100									Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32									
Crown projecting grade	+	+	-	+	+	+	+	+	+	+	+	+									
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf									
Tree form	3	1	3	2	1	1	1	1	2	1	1	3									
Die back	3	1	3	2	1	2	1	1	2	1	1	2									
Defoliation ratio	3	1	3	3	1	2	2	1	2	2	2	3									
Density of branch & leaf	2	1	3	2	1	1	1	1	1	2	2	2									
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0									
Necrosis of leaf	1	0	1	0	1	0	0	1	1	1	1	2									
Integrated evaluation	2.8	1.0	3.0	2.3	1.0	1.5	1.3	1.0	1.8	1.5	1.5	2.5									1.7

Appendix D-7(2) No.2 Criva UP I, 65B (Craiova) Date: July 17 98

Distance from edge(m)	0	0	1	1	3	6	9	13	14	16	20	21	22	23	23	23	27	28	29	29	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	3	2	3	2	2	3	3	1	3	2	3	2	2	2	2	2	2	3	3	1	1
Die back	3	3	3	3	1	2	3	3	1	3	2	2	1	2	3	2	3	2	1	1	
Defoliation ratio	3	3	2	3	2	2	3	2	3	2	3	2	2	2	3	2	2	3	3	2	2
Density of branch & leaf	2	2	2	3	2	2	3	3	1	2	2	3	2	2	2	1	3	3	1	1	
Leaf color	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	2	2	2	3	1	2	2	2	3	3	1	2	1	1	2	2	2	2	2	2	
Integrated evaluation	2.8	2.5	2.3	3.0	1.8	2.0	3.0	3.0	1.3	2.8	2.0	2.8	1.8	2.0	2.5	1.8	3.0	2.8	1.3	1.3	

Distance from edge(m)	31	31	34	35	37	38	38	40	41	41	42	44	42	46	47	50	51	53	54	55	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	2	3	2	3	3	3	2	1	2	1	1	0	2	3	1	1	1	0	3	1	
Die back	1	3	2	3	3	2	2	1	1	1	1	0	2	3	1	1	1	0	2	1	
Defoliation ratio	2	3	2	2	2	3	2	2	2	2	1	1	2	3	2	1	2	1	2	1	
Density of branch & leaf	2	3	2	2	2	3	2	2	2	2	1	1	2	3	1	1	2	1	2	1	
Leaf color	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	2	2	1	2	1	1	2	1	1	2	1	0	2	1	2	1	1	1	1	1	
Integrated evaluation	1.8	3.0	2.0	2.5	2.5	2.8	2.0	1.5	1.8	1.5	1.0	0.5	2.0	3.0	1.3	1.0	1.5	0.5	2.3	1.0	

Distance from edge(m)	56	57	59	59	60	61	61	62	62	63	63	65	67	67	67	68	69	69	71	Total	
Tree number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qf	
Tree form	1	2	1	2	1	0	2	1	3	0	1	1	2	1	1	0	1	1	1	2	
Die back	0	1	0	1	1	0	1	1	2	1	1	1	1	1	0	0	1	1	1	2	
Defoliation ratio	1	1	2	2	2	1	2	2	3	1	1	2	1	2	2	1	2	2	1	2	
Density of branch & leaf	1	1	1	2	1	1	2	1	3	1	1	2	1	2	1	1	1	1	1	1	
Leaf color	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	1	1	2	0	0	0	0	0	0	2	0	1	1	1	0	1	1	0	
Integrated evaluation	0.8	1.3	1.0	1.8	1.3	0.5	1.8	1.3	2.8	0.8	1.0	1.5	1.3	1.5	1.0	0.5	1.3	1.3	1.0	1.8	

Distance from edge(m)	73	73	73	74	75	75	77	81	81	82	82	98	99							Total	
Tree number	61	62	63	64	65	66	67	68	69	70	71	72	73								
Crown projecting grade	-	+	-	+	+	+	+	-	+	+	+	+	+								
Tree species	Qf	Qf	Qf	Qf	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qf	Qf								
Tree form	2	1	3	1	1	1	1	1	1	1	2	1	1								
Die back	2	1	1	1	2	1	0	0	1	0	1	0	1								
Defoliation ratio	2	1	3	2	2	2	1	1	1	1	2	1	2								
Density of branch & leaf	2	1	2	1	2	1	1	1	1	0	1	1	1								
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0								
Necrosis of leaf	1	1	1	1	1	1	1	1	0	1	0	1	1								
Integrated evaluation	2.0	1.0	2.3	1.3	1.8	1.3	0.8	0.8	1.0	0.5	1.5	0.8	1.3								1.7

Appendix D-7(3)-1 No.3 Seaca de Padure UP III, 90 (Craiova) Date: July 17 98

Distance from edge(m)	1	2	3	5	7	8	9	10	17	17	17	20	25	30	31	31	33	44	48	49	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Fe	Fe	Fe	Fe	Qf	Fe	Fe	Fe	Fe	Fe	Fe	Qc	Fe	Fe	Fe	Qf	Fe	Fe	Fe	Fe	
Tree form	4	0	0	2	2	3	1	2	2	1	2	1	1	4	0	1	1	0	2	1	
Die back	4	1	0	1	1	3	1	2	2	0	1	1	2	4	1	1	1	0	1	1	
Defoliation ratio	4	1	1	2	2	3	2	2	2	1	2	1	2	4	1	2	1	0	1	1	
Density of branch & leaf	4	1	0	2	2	2	1	2	2	1	2	1	2	4	1	1	1	0	1	1	
Leaf color	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	
Necrosis of leaf	-	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	
Integrated evaluation	4.0	0.8	0.3	1.8	1.8	2.8	1.3	2.0	2.0	0.8	1.8	1.0	1.8	4.0	0.8	1.3	1.0	0.0	1.3	1.0	

Appendix D-7(3)-2 No.3 Seaca de Padure UP III, 90 (Craiova)

Date: July 17 98

Distance from edge(m)	49	52	55	57	61	63	63	64	64	65	65	67	68	69	69	69	69	69	70	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	1	1	1	1	1	4	2	0	1	2	3	2	1	1	1	2	1	1	2	1
Die back	1	0	1	1	0	4	1	0	1	2	3	0	1	1	1	2	2	1	1	0
Defoliation ratio	2	1	2	1	1	3	2	1	1	2	3	2	1	1	1	2	1	1	1	1
Density of branch & leaf	1	1	1	1	4	1	0	1	1	3	1	1	2	1	2	1	1	1	1	1
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Integrated evaluation	1.3	0.8	1.3	1.0	0.8	3.6	1.5	0.3	1.0	1.8	3.0	1.3	1.0	1.3	1.0	2.0	1.3	1.0	1.3	0.8

Distance from edge(m)	72	72	73	76	76	77	77	78	79	81	81	85	85	86	86	87	87			Total
Tree number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57			
Crown projecting grade	-	-	+	-	+	+	-	-	+	+	+	-	-	-	-	-	-			
Tree species	Pp	Qc	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc			
Tree form	3	3	2	2	1	0	2	2	1	3	1	2	2	1	1	1	1			
Die back	4	4	1	2	1	0	2	2	1	3	0	1	1	1	1	1	2			
Defoliation ratio	4	4	2	2	1	1	1	2	1	3	1	2	2	1	1	2	2			
Density of branch & leaf	3	3	1	2	1	1	1	2	1	3	1	2	1	0	0	1	2			
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Necrosis of leaf	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0			
Integrated evaluation	3.5	3.5	1.5	2.0	1.0	0.5	1.5	2.0	1.0	3.0	0.8	1.8	1.5	0.8	0.8	1.3	1.8			1.6

Appendix D-7(4) No.4 Bratovoesti UP IV, 76 (Craiova)

Date: July 20 98

Distance from edge(m)	0	16	19	22	35	36	36	38	40	44	44	48	48	51	56	60	62	62	64	69	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	-	+	+	-	+	+	-	-	-	-	+	+	-	-	-	+	+	
Tree species	Pp	Qc	Qf	Pp	Fe	Um	Fe	Pp	Fe	Um	Fe	Um	Fe	Fe	Fe	Fe	Fe	Fe	Fe	Fe	
Tree form	1	1	2	2	1	2	1	2	1	2	2	2	2	2	1	2	2	2	2	1	2
Die back	1	1	2	1	1	2	1	1	0	1	0	1	3	0	1	0	1	0	1	0	1
Defoliation ratio	1	1	2	1	1	2	1	1	1	1	2	1	2	2	2	1	2	2	1	2	2
Density of branch & leaf	1	1	2	1	2	2	2	1	1	1	2	1	2	2	1	2	2	2	2	1	2
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated evaluation	1.0	1.0	2.0	1.3	1.3	2.0	1.3	1.3	0.8	1.0	1.8	1.0	1.8	2.3	1.0	1.5	1.5	1.8	0.8	1.8	

Distance from edge(m)	77	80	81	81	86	88	88	89	91	92	96	96	100								Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33								
Crown projecting grade	+	+	+	+	-	-	+	+	-	+	+	-	-								
Tree species	Fe	Qc	Qc	Qc	Ms	Ac	Qc	Qc	Ac	Qc	Qc	Ac	Ac								
Tree form	1	3	2	2	3	3	3	2	3	2	1	3	2								
Die back	0	2	2	2	2	3	2	2	3	2	1	3	2								
Defoliation ratio	1	2	2	2	3	3	3	2	2	2	2	3	1								
Density of branch & leaf	1	2	2	2	3	3	3	2	2	2	1	3	1								
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0								
Necrosis of leaf	0	0	0	0	1	0	0	0	0	0	0	0	0								
Integrated evaluation	0.8	2.3	2.0	2.0	2.8	3.0	2.8	2.0	2.5	2.0	1.3	3.0	1.5								1.5

Appendix D-7(5) No.5 Secui UP IV, 19 (Craiova)

Date: July 20 98

Distance from edge(m)	0	0	7	7	11	11	11	17	17	22	22	22	27	32	37	42	42	47	52	57	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	-	+	+	+	-	+	+	+	+	+	+	+	
Tree species	R16	R16	R16	R16	214	214	R16	R16	R16	R16	R16	214	214	R16	214	R16	214	R16	214	R16	
Tree form	1	2	2	2	3	1	0	1	3	1	2	1	2	1	2	1	2	2	1	1	1
Die back	0	0	1	1	3	0	1	1	3	1	2	1	2	0	1	1	2	2	1	0	1
Defoliation ratio	1	2	2	2	3	1	0	2	3	2	2	1	2	1	2	1	2	1	2	1	2
Density of branch & leaf	1	1	2	2	3	1	1	2	2	2	1	2	1	2	1	2	1	2	2	1	2
Leaf color	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated evaluation	0.8	1.3	1.8	1.8	3.0	0.8	0.3	1.5	2.8	1.5	2.0	1.0	2.0	0.8	1.8	1.0	2.0	1.8	0.8	1.5	

Distance from edge(m)	62	63	67	72	77	82	87	87	92												Total
Tree number	21	22	23	24	25	26	27	28	29												
Crown projecting grade	-	+	+	+	+	+	+	+	+												
Tree species	R16	R16	R16	R16	R16	R16	R16	R16	R16												
Tree form	2	2	1	1	1	1	1	1	1												
Die back	1	1	1	1	1	1	1	1	1												
Defoliation ratio	2	1	2	2	2	2	1	2	1												
Density of branch & leaf	2	2	2	2	2	2	1	2	2												
Leaf color	0	0	0	0	0	0	0	0	0												
Necrosis of leaf	0	0	0	0	0	0	0	0	0												
Integrated evaluation	1.8	1.5	1.5	1.5	1.5	1.5	1.0	1.5	1.3												1.4

Appendix D-7(6)-1 No.6 Cosoveni UP IV, 143 (Craiova)

Date: July 20 98

Distance from edge(m)	0	0	1	1	1	6	8	8	9	11	11	13	17	17	18	18	19	20	23	23	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	-	-	-	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qc	Qc	Qc	Qc	Qf	Qf	Qc	Qc	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	2	3	3	1	2	2	1	3	3	1	1	3	2	2	2	2	2	1	1	1	
Die back	2	3	3	1	2	2	1	3	3	1	1	3	1	2	2	2	2	2	1	1	2
Defoliation ratio	1	3	3	1	2	2	1	3	3	2	1	3	2	2	2	2	2	2	2	2	2
Density of branch & leaf	1	2	3	1	2	2	2	3	3	2	1	3	2	1	1	2	2	2	2	1	2
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Integrated evaluation	1.5	2.75	3	1	2	2	1.25	3	3	1.5	1	3	1.75	1.75	1.75	2	2	1.75	1.25	1.75	1.67

Appendix D-7(6)-2

No.6 Cosoveni UP IV, 143 (Craiova)

Date: July 20 98

Distance from edge(m)	23	23	23	26	26	27	31	32	32	33	35	35	40	42	42	43	47	47	48	49	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	+	+	+	+	+	-	+	-	+	+	+	-	+	+	+	+	+	+	-	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qc	Qc	Qc	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	2	1	3	2	3	1	2	2	3	3	3	2	1	3	2	2	2	2	4	1	
Die back	2	2	1	3	2	2	1	1	2	2	3	2	2	2	3	2	2	1	4	1	
Defoliation ratio	2	1	2	3	2	3	1	2	2	3	3	2	1	2	3	2	2	2	4	1	
Density of branch & leaf	2	1	1	2	2	2	2	1	2	3	3	2	1	2	3	2	2	2	4	1	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	1	0	0	1	0	0	0	0	0	1	1	0	0	0	1	2	0	0	1	-	0
Integrated evaluation	2	1.25	1.25	2.75	2	2.5	1.25	1.5	2	2.75	3	2.25	1.5	1.75	3	2	2.25	1.75	4	1.25	

Distance from edge(m)	43	44	55	57	58	63	70	71	71	75	76	76	78	83	84	86	84	91	95	Total	
Tree number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Crown projecting grade	+	+	+	+	+	+	+	+	+	-	+	+	+	+	-	-	-	-	+	-	
Tree species	Qc	Qf	Qc	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qc	
Tree form	1	2	2	1	2	3	2	2	1	1	3	1	1	1	2	3	3	2	2	3	
Die back	1	2	2	1	1	2	2	2	1	1	3	1	1	1	2	3	3	1	2	3	
Defoliation ratio	1	2	2	1	1	3	3	2	2	3	1	2	2	2	3	3	2	2	3		
Density of branch & leaf	1	2	2	2	1	2	3	2	2	2	3	1	1	2	2	3	3	2	2	3	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1	2	2	1.25	1.25	2.5	2.5	2	1.5	1.5	3	1	1.25	1.5	2	3	3	1.75	2	3	

Distance from edge(m)	96	96	100																		Total
Tree number	61	62	63																		
Crown projecting grade	+	+	+																		
Tree species	Qc	Qc	Qc																		
Tree form	1	2	2																		
Die back	1	2	1																		
Defoliation ratio	2	2	2																		
Density of branch & leaf	2	2	2																		
Leaf color	0	0	0																		
Necrosis of leaf	1	0	0																		
Integrated evaluation	1.5	2	1.75																		2.0

Appendix D-7(7)-1

No.7 Panaghia UP IV, 17 (Segarcea)

Date: July 21 98

Distance from edge(m)	0	0	0	0	0	0	1	2	2	2	3	3	3	3	4	4	4	4	4	Total	
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	3	3	3	3	3	3	3	4	2	2	1	1	1	3	2	2	4	3	1	2	
Die back	3	3	3	3	3	3	3	4	1	1	2	1	1	3	2	2	4	3	2	2	
Defoliation ratio	3	3	3	3	3	3	3	4	1	1	1	1	1	3	2	2	4	3	1	2	
Density of branch & leaf	3	3	3	3	3	3	3	4	1	1	1	1	2	1	3	2	2	4	3	1	2
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	3	3	3	3	3	3	3	4	1.25	1.25	1.25	1.25	1	3	2	2	4	3	1.25	2	

Distance from edge(m)	6	6	6	6	6	6	8	9	9	9	9	11	11	11	12	12	14	14	14	Total	
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	-	+	+	+	-	+	+	+	-	-	+	+	+	+	+	-	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	3	1	2	1	4	1	2	3	3	3	3	2	2	1	2	3	2	2	1	1	
Die back	3	0	2	1	4	1	2	2	3	3	3	2	1	1	1	3	2	2	1	1	
Defoliation ratio	3	1	2	1	4	1	2	2	3	3	3	2	2	1	2	3	2	2	1	1	
Density of branch & leaf	3	1	2	1	4	1	2	2	3	3	3	2	2	1	2	2	2	2	2	1	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	3	0.75	2	1	4	1	2	2.25	3	3	3	2	1.75	1	1.75	2.75	2	2	1.25	1	

Distance from edge(m)	17	18	18	18	21	21	22	23	24	24	24	28	29	30	31	31	31	32	35	35	Total
Tree number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Crown projecting grade	-	+	+	+	+	+	+	-	+	+	+	+	+	-	+	+	+	+	-	+	
Tree species	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	3	2	2	1	2	1	2	1	3	1	2	2	3	1	1	2	3	3	2	2	
Die back	3	2	1	1	1	1	1	1	2	1	1	2	3	1	1	1	2	3	1	2	
Defoliation ratio	3	2	1	2	2	1	2	1	3	1	2	2	3	1	1	2	2	3	2	2	
Density of branch & leaf	3	2	1	1	2	1	2	1	3	1	2	2	3	1	1	2	3	3	2	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	
Integrated evaluation	3	2	1.25	1.25	1.75	1	1.75	1	2.75	1	1.75	2	3	1	1	1.75	2.5	3	1.75	2	

Distance from edge(m)	35	38	38	38	39	39	39	40	40	40	43	43	44	49	49	49	51	51	51	51	Total
Tree number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
Crown projecting grade	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	2	1	3	2	2	1	1	3	1	2	2	3	1	2	1	2	1	1	3	2	
Die back	2	1	3	2	2	1	1	3	1	2	1	1	1	1	1	1	1	1	3	1	
Defoliation ratio	2	1	3	2	2	1	2	3	2	2	2	2	1	2	1	2	2	1	3	2	
Density of branch & leaf	2	1	3	2	2	1	2	3	1	2	2	2	1	2	1	2	2	1	3	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Integrated evaluation	2	1	3	2	2	1	1.5	3	1.25	2	1.75	2	1	1.75	1	1.75	1.5	1	3	1.75	

Appendix D-7(7)-2 No.7 Panaghia UP IV, 17 (Segarcea)

Date: July 21 98

Distance from edge(m)	53	53	57	59	59	59	60	62	62	62	66	66	69	69	70	70	70	75	75	Total	
Tree number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
Crown projecting grade	+	+	+	-	+	+	+	-	+	-	+	-	+	+	-	+	+	-	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	1	1	2	4	2	1	1	2	1	2	1	4	2	1	3	1	2	3	3	2	
Die back	2	1	1	4	1	1	1	1	2	1	4	1	1	2	1	1	1	1	2	1	
Defoliation ratio	2	1	2	4	2	1	1	2	1	2	1	4	2	2	3	1	2	2	3	1	
Density of branch & leaf	2	1	2	4	2	1	1	1	1	2	2	4	2	2	2	2	2	2	3	1	
Leaf color	0	0	0	-	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	1	0	-	0	0	0	0	0	1	0	-	0	1	1	0	0	1	1	0	
Integrated evaluation	1.75	1	1.75	4	1.75	1	1	1.5	1	2	1.25	4	1.75	1.5	2.5	1.25	1.75	2	2.75	1.25	

Distance from edge(m)	75	75	77	77	77	79	80	81	84	84	85	85	86	87	90	90	93	93	93	Total	
Tree number	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	
Crown projecting grade	+	+	+	+	+	-	+	+	+	-	+	-	+	+	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	2	3	2	1	3	4	3	2	1	3	2	2	4	1	2	2	2	2	4	1	
Die back	1	2	1	1	3	4	2	1	1	3	1	2	4	1	1	2	1	1	4	1	
Defoliation ratio	1	3	2	2	3	4	3	2	1	3	2	2	4	2	2	2	2	2	4	1	
Density of branch & leaf	1	3	1	2	3	4	3	1	1	3	2	2	4	2	2	2	2	2	4	1	
Leaf color	0	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	1	0	0	0	-	0	0	0	1	0	0	-	0	0	0	1	0	-	0	
Integrated evaluation	1.25	2.75	1.5	1.5	3	4	2.75	1.5	1	3	1.75	2	4	1.5	1.75	2	1.75	1.75	4	1	

Distance from edge(m)	95	95	93	100	100	100															Total	
Tree number	121	122	123	124	125	126																
Crown projecting grade	+	+	+	+	-	-																
Tree species	Qc	Qc	Qc	Qc	Qc	Qc																
Tree form	2	2	3	1	2	3																
Die back	2	2	3	0	1	3																
Defoliation ratio	2	2	3	1	1	3																
Density of branch & leaf	2	2	3	1	1	3																
Leaf color	0	0	0	0	0	0																
Necrosis of leaf	0	0	0	0	0	0																
Integrated evaluation	2	2	3	0.75	1.25	3																2.0

Appendix D-7(8)-1

No.8 Calopar UP V, 17 (Segarcea)

Date: July 21 98

Distance from edge(m)	0	0	0	2	5	5	6	7	9	10	11	11	11	14	15	15	16	17	20	Total	
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	-	+	+	+	-	+	+	+	+	+	+	+	-	-	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qc	Qc	Qc	Qc	Qf	Qf	Qf	Qf	Qf	Qf	Qc	Qc	
Tree form	1	2	2	1	3	1	3	2	1	2	2	1	2	2	3	3	1	1	2	1	
Die back	1	1	1	0	3	1	2	2	1	1	1	1	2	1	3	2	1	1	1	1	
Defoliation ratio	1	2	2	1	3	1	2	2	1	2	2	1	2	2	3	2	1	1	2	1	
Density of branch & leaf	1	2	1	1	3	1	2	2	1	2	2	1	2	2	3	2	1	1	2	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1	1.75	1.5	0.75	3	1	2.25	2	1	1.75	1.75	1	2	1.75	3	2.25	1	1	1.75	1.25	

Distance from edge(m)	22	25	25	26	26	29	29	30	32	32	33	33	35	35	37	37	43	43	43	43	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Qf	Qc	Qc	Qf	Qc	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	2	1	2	3	2	1	2	3	2	3	1	2	1	3	2	2	2	2	4	1	
Die back	2	1	2	1	1	1	2	2	1	2	1	2	1	2	1	1	1	1	1	4	0
Defoliation ratio	3	1	2	3	2	1	2	3	2	2	1	2	2	3	2	2	1	2	4	1	
Density of branch & leaf	3	2	2	2	2	1	2	2	2	2	1	2	2	3	2	2	1	2	4	1	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	2.5	1.25	1.75	2.5	1.75	1	2	2.5	1.75	2.25	1	2	1.5	2.75	1.75	1.75	1.25	1.75	4	0.75	

Distance from edge(m)	43	43	43	43	43	44	47	50	51	53	53	53	56	56	57	57	57	57	58	59	Total
Tree number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Crown projecting grade	+	+	+	+	+	+	-	+	+	-	-	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qc	Qc	Qc	Qc	Qc	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	2	1	2	2	2	3	1	2	2	3	1	2	3	1	2	2	1	3	3	2	
Die back	1	1	1	1	2	1	2	1	1	2	3	1	1	2	2	1	1	3	3	2	
Defoliation ratio	1	1	1	1	2	2	3	1	2	2	3	1	2	2	2	2	2	2	3	2	
Density of branch & leaf	2	1	2	1	2	2	1	2	2	3	2	2	3	2	2	2	2	2	3	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
Integrated evaluation	1.5	1	1.5	1.25	2	1.75	2.5	1	1.75	2	3	1.25	1.75	2.5	2	1.75	2	2.5	3	2	

Distance from edge(m)	59	59	59	60	60	60	61	61	65	65	66	66	66	66	66	66	66	66	70	70	Total
Tree number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
Crown projecting grade	+	+	+	+	+	+	-	+	+	-	-	-	-	-	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	2	1	1	1	3	3	4	2	2	2	2	3	2	3	3	2	3	2	1	3	
Die back	1	1	1	1	2	2	4	1	1	2	1	2	1	2	2	1	1	1	1	3	
Defoliation ratio	2	2	2	1	2	2	4	2	2	3	1	3	1	3	3	2	2	1	2	3	
Density of branch & leaf	1	2	2	2	3	2	4	2	2	2	1	3	1	3	3	2	2	1	2	3	
Leaf color	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	1	0	0	-	1	0	1	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1.5	1.5	1.5	1.25	2.5	2.25	4	1.75	1.75	2.25	1.25	2.75	1.25	2.75	2.75	1.75	2	1.25	1.5	3	

Appendix D-7(8)-2 No.8 Calopar UP V, 17 (Segarcea)

Date: July 21 '98

Distance from edge(m)	74	76	76	83	83	83	83	85	85	85	87	87	89	90	90	90	90	90	90	92	Total
Tree number	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	
Tree form	1	3	2	1	2	1	1	1	1	2	3	2	2	2	1	1	1	3	2	1	3
Die back	1	3	1	1	1	1	1	1	1	2	3	1	1	0	1	1	2	1	1	2	
Defoliation ratio	1	3	2	1	1	1	1	1	1	2	3	1	2	1	2	1	2	2	2	2	3
Density of branch & leaf	1	3	1	1	1	1	1	1	1	2	3	1	2	1	1	1	2	1	2	3	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
Integrated evaluation	1	3	1.5	1	1.25	1	1	1	1	2	3	1.25	1.75	0.75	1.25	1	2.25	1.5	1.5	2.75	

Distance from edge(m)	92	93	93	94	94	97	97	97	97	97	98										Total
Tree number	101	102	103	104	105	106	107	108	109	110	111										
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+										
Tree species	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc										
Tree form	2	1	3	2	1	1	1	1	1	4	1										
Die back	1	1	3	1	1	1	1	1	1	4	0										
Defoliation ratio	1	1	3	2	1	1	1	2	1	4	1										
Density of branch & leaf	1	1	3	2	1	1	1	2	1	4	1										
Leaf color	0	0	0	0	0	0	0	0	0	0	0										
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0										
Integrated evaluation	1.25	1	3	1.75	1	1	1	1.5	1	4	0.75										1.7

Appendix D-7(9) No.9 Radovan UP III, 72 (Segarcea)

Date: July 21 '98

Distance from edge(m)	0	0	2	2	4	7	11	12	14	19	19	20	23	25	25	25	33	38	43	46	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Rg	An	Qr	An	An	An	Qr	Qr	Qr	Qr	Qr	Qr	Qr	An	Fe	Qr	Qr	Qr	Qr	Qr	
Tree form	2	1	2	2	3	2	2	2	2	2	2	2	1	1	3	3	1	2	2	1	3
Die back	1	0	2	2	2	1	1	2	1	1	2	1	2	2	2	2	1	2	2	1	3
Defoliation ratio	2	1	2	1	3	2	2	2	1	2	2	1	1	2	3	1	2	2	2	2	2
Density of branch & leaf	1	1	2	1	3	1	2	2	2	2	2	1	2	1	2	1	2	2	2	2	2
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Integrated evaluation	1.5	0.75	2	1.5	2.75	1.5	1.75	2	1.25	1.75	2	1	1.5	2	2.5	1	2	2	1.5	2.5	

Distance from edge(m)	47	50	51	52	52	57	57	58	59	60	62	62	65	66	70	71	80	80	80	83	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	-	+	+	-	-	-	-	-	-	-	+	-	+	-	-	+	+	-	+	+	
Tree species	An	Qr	Qr	Qr	An	An	An	Mn	An	Fe	Qr	Fe	Qr	An	Fe	Qr	Qr	Qr	Qr	Qr	
Tree form	3	2	2	2	1	2	2	2	2	2	2	2	2	1	3	1	2	2	3	1	1
Die back	2	2	2	2	1	1	0	2	2	3	2	3	1	3	0	2	1	3	1	1	
Defoliation ratio	2	2	2	2	1	1	1	2	2	3	2	3	2	3	2	3	1	2	2	3	1
Density of branch & leaf	1	2	2	2	1	1	2	2	2	3	2	3	2	3	1	2	1	3	1	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Integrated evaluation	2	2	2	2	1	1.25	1.25	2	2	3	2	2.75	1.5	3	0.75	2	1.5	3	1	1.5	

Distance from edge(m)	84	86	86	94	94	97	98	99													Total
Tree number	41	42	43	44	45	46	47	48													
Crown projecting grade	-	+	+	-	-	-	+	+													
Tree species	Fe	Qr	Qr	Um	Mn	Um	Qr	Qr													
Tree form	2	1	2	1	3	2	1	2													
Die back	1	1	2	2	3	1	1	2													
Defoliation ratio	1	2	2	2	3	1	2	2													
Density of branch & leaf	1	2	2	2	3	2	2	2													
Leaf color	0	0	0	0	0	0	0	2													
Necrosis of leaf	0	0	0	0	0	0	1	1													
Integrated evaluation	1.25	1.5	2	1.75	3	1.5	1.5	2													1.8

Appendix D-7(10)-1 No.10 Ostroveni UP II, 54c (Sadova)

Date: July 22 '98

Distance from edge(m)	0	0	0	4	4	4	8	8	8	12	12	12	16	16	16	20	20	20	24	24	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	
Tree form	1	1	1	3	3	3	3	3	2	2	2	2	2	3	3	2	2	1	1	1	
Die back	1	1	1	2	2	3	3	3	1	2	2	2	2	3	3	1	1	1	1	1	
Defoliation ratio	0	1	1	3	3	3	3	3	2	2	2	2	2	3	3	2	2	1	1	1	
Density of branch & leaf	1	1	1	3	3	3	3	3	2	2	2	2	2	3	3	2	2	1	1	1	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	0.75	1	1	2.75	2.75	3	3	3	2	2	2	2	2	3	3	2	2	1.75	1	1	

Distance from edge(m)	24	28	28	32	32	32	36	36	36	41	41	41	45	45	45	49	49	49	53	Total	
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	
Tree form	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	
Die back	1	1	1	0	0	0	0	0	1	2	2	2	2	2	1	3	3	1	1	1	
Defoliation ratio	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	
Density of branch & leaf	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1.75		1	0.75					1.75	2	2	2	2	2	2	3	3	1.75			

Appendix D-7(15)-2 No.15 Voinesa UP I, 15 (Bals)

Date: July 24 98

Distance from edge(m)	89	89	89	90	90	92	94	96	99	100	100								Total
Tree number	61	62	63	64	65	66	67	68	69	70	71								
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+								
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf								
Tree form	2	2	3	1	2	2	1	3	2	1	2								
Die back	2	1	2	1	1	1	1	2	1	1	1								
Defoliation ratio	2	2	3	2	3	2	2	3	2	2	3								
Density of branch & leaf	2	2	3	2	2	2	2	3	2	1	3								
Leaf color	1	1	1	1	2	1	1	2	1	1	1								
Necrosis of leaf	2	1	2	1	2	1	2	2	2	1	1								
Integrated evaluation	2	1.75	2.75	1.5	2	1.75	1.5	2.75	1.75	1.25	2.25								2.2

Appendix D-7(16) No.16 Mirila UP V, 145 (Bals)

Date: July 24 98

Distance from edge(m)	0	0	0	2	4	5	5	6	6	7	7	7	10	10	10	10	12	12	14	15	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	-	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Fo	
Tree form	3	2	1	4	4	1	1	3	3	4	2	4	1	1	1	2	4	3	2	1	
Die back	3	0	2	4	4	2	2	2	2	4	1	4	1	1	1	1	4	3	2	1	
Defoliation ratio	3	2	1	4	4	2	2	2	3	4	2	4	2	2	2	2	4	3	3	1	
Density of branch & leaf	3	2	2	4	4	2	2	2	3	4	2	4	1	1	1	2	4	3	3	1	
Leaf color	0	0	0	-	-	1	1	0	2	-	0	-	2	1	1	1	-	2	1	0	
Necrosis of leaf	0	0	0	-	-	0	0	0	1	-	0	-	2	1	1	1	-	1	1	0	
Integrated evaluation	3	1.5	1.5	4	4	1.75	1.75	2.25	2.75	4	1.75	4	1.25	1.25	1.25	1.75	4	3	2.5	1	

Distance from edge(m)	16	17	18	18	18	18	18	19	19	19	22	24	24	24	25	25	25	28	28	28	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	-	+	+	-	-	-	-	+	+	+	-	-	-	-	-	-	-	+	+	+	
Tree species	Qc	Fo	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Fc	Qf	Qf	
Tree form	4	0	3	4	4	4	4	4	2	2	3	3	3	3	4	3	3	2	4	2	
Die back	4	0	3	4	4	4	4	1	1	3	2	3	3	3	4	3	2	1	4	1	
Defoliation ratio	4	1	3	4	4	4	4	2	2	3	3	3	3	3	4	3	5	2	4	2	
Density of branch & leaf	4	1	3	4	4	4	4	2	2	3	2	3	3	3	4	3	3	2	4	2	
Leaf color	-	0	1	-	-	-	-	2	2	2	2	2	2	1	-	1	2	0	-	1	
Necrosis of leaf	-	0	2	-	-	-	-	1	2	2	2	2	2	1	-	1	1	0	-	2	
Integrated evaluation	4	0.5	3	4	4	4	4	1.75	1.75	3	2.5	3	3	3	4	3	2.75	1.75	4	1.75	

Distance from edge(m)	29	29	30	31	31	32	34	36	36	36	36	38	38	38	39	39	39	40	41	41	Total
Tree number	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Crown projecting grade	-	+	+	+	+	+	+	+	-	-	-	-	-	-	+	-	-	-	-	-	
Tree species	Qf	Qf	Qc	Qf	Qf	Qc	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Fo	Qf	Qf	Qf	Qf	Qf	Fp	
Tree form	2	2	3	3	4	2	4	4	4	4	4	4	4	4	1	4	4	4	2	3	
Die back	2	2	1	2	4	1	4	4	4	4	4	4	4	0	4	4	4	4	1	2	
Defoliation ratio	3	3	3	3	4	2	4	4	4	4	4	4	4	3	4	4	4	3	3	3	
Density of branch & leaf	2	3	3	3	4	2	4	4	4	4	4	4	4	2	4	4	4	2	3	3	
Leaf color	1	1	2	1	-	2	-	-	-	-	-	-	-	0	-	-	-	1	2	-	
Necrosis of leaf	2	2	1	2	-	2	-	-	-	-	-	-	-	0	-	-	-	2	2	-	
Integrated evaluation	2.25	2.5	2.5	2.75	4	1.75	4	4	4	4	4	4	4	1.5	4	4	4	2	2.75	3	

Distance from edge(m)	42	42	42	43	44	45	48	48	50												Total
Tree number	61	62	63	64	65	66	67	68	69	70											
Crown projecting grade	-	-	+	-	+	+	+	+	+												
Tree species	Fo	Fo	Fo	Qf	Fo	Qf	Qf	Qf	Qf												
Tree form	4	4	1	4	3	1	4	2	4	3											
Die back	4	4	1	4	1	1	4	1	4	1											
Defoliation ratio	4	4	3	4	3	2	4	3	4	2											
Density of branch & leaf	4	4	1	4	3	2	4	2	4	3											
Leaf color	-	-	1	-	1	1	-	0	-	1											
Necrosis of leaf	-	-	1	-	0	1	-	0	-	0											
Integrated evaluation	4	4	1.5	4	2.5	1.5	4	2	4	2.25											2.9

Appendix D-7(17)-1 No.17 Bobicesti UP V, 79 (Bals)

Date: July 24 98

Distance from edge(m)	0	1	3	3	5	6	8	11	12	12	14	16	17	23	25	25	26	26	28	29	Total
Tree number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	2	3	2	3	2	2	2	2	2	2	1	2	2	3	2	1	2	1	3	1	
Die back	2	2	1	2	1	1	2	2	2	1	2	1	0	2	2	1	1	1	2	1	
Defoliation ratio	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Density of branch & leaf	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Leaf color	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2	1	1	1	1	
Necrosis of leaf	1	1	2	2	2	1	2	2	1	0	2	0	0	2	1	0	1	1	2	1	
Integrated evaluation	2	2.5	1.75	2.25	1.75	1.75	2.25	2	2	1.75	2	1.75	1.5	2.75	2.25	1.5	1.75	1.5	2.5	1.25	

Distance from edge(m)	29	36	39	39	39	39	46	49	52	55	55	57	59	60	60	60	64	68	70	70	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qc	Qc	Qf	Qf	
Tree form	1	2	2	2	1	3	3	3	1	1	1	1	2	2	2	1	3	2	2	2	
Die back	1	1	1	1	0	2	3	2	1	2	2	1	1	1	1	1	2	1	1	1	
Defoliation ratio	2	2	2	3	2	3	3	3	2	3	2	2	3	3	3	2	3	1	2	2	
Density of branch & leaf	2	2	2	3	2	3	3	3	1	2	2	2	2	2	2	2	3	2	2	2	
Leaf color	1	1	0	1	1	1	1	1	0	0	1	0	0	1	0	0	1	0	1	1	
Necrosis of leaf	1	1	0	1	0	1	1	1	0	0	1	1	0	0	1	0	1	0	0	1	
Integrated evaluation	1.5	1.75	1.75	2.25	1.25	2.75	3	2.75	1.25	2	1.75	1.5	2	2	2	1.5	2.75	1.5	1.75	1.75	

Appendix D-7(17)2 No.17 Bobocesti UP V, 79 (Bals) Date: July 24 98. Table with 16 columns (Tree number 71-74) and 15 rows of metrics. Integrated evaluation: 2.25, 1.75, 1.75, Total: 1.9

Appendix D-7(18) No.18 Vladila UPI, 33A (Caracal) Date: July 27 98. Table with 16 columns (Tree number 0-3) and 15 rows of metrics. Integrated evaluation: 4, 4, 2.25, 1.75, 3, 3, 1, 2, 2.25, 3, 4, 2, 1, 3, 3, 1, 1, 2.25, 1, 3

Table with 16 columns (Tree number 39-40) and 15 rows of metrics. Integrated evaluation: 1.5, 2.75, 2.75, 3, 2.75, 1.75, 1.75, 1, 1.25, 1.5, 2.75, 1.75, 2.25, 1, 2, 2.5, 2, 1.75, 1.25, 2

Table with 16 columns (Tree number 60-60) and 15 rows of metrics. Integrated evaluation: 2.5, 2.75, 2, 3, 3, 3, 3, 1.75, 1.5, 1.25, 1, 2, 2, 2, 2.5, 2.25, 2.25, 2.5, 2.75, 2

Table with 16 columns (Tree number 82-82) and 15 rows of metrics. Integrated evaluation: 1.25, 2, 2, 1, 3, 1.75, 1.75, 2.25, 3, 1.25, 1.5, 1, 2.25, 1.75, 1.75, 2.25, 1.25, 1.75, 1.5, 2.1

Appendix D-7(19) No.19 Resca UP III, 49A (Caracal) Date: July 27 98. Table with 16 columns (Tree number 0-0) and 15 rows of metrics. Integrated evaluation: 2.8, 3.0, 2.0, 2.3, 3.0, 3.0, 1.8, 1.0, 3.0, 1.0, 3.0, 1.0, 3.0, 3.0, 2.5, 2.0, 1.5, 1.8, 3.0, 2.0

Table with 16 columns (Tree number 45-45) and 15 rows of metrics. Integrated evaluation: 2.5, 2.8, 1.8, 3.0, 2.8, 3.0, 1.8, 1.0, 1.3, 1.3, 3.0, 1.0, 2.0, 3.0, 2.0, 1.8, 2.5, 2.2

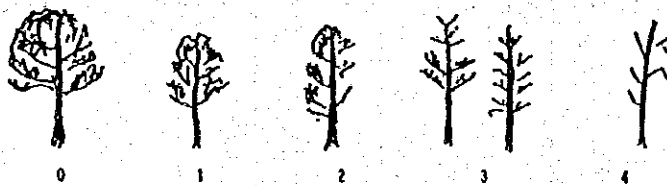
Distance from edge(m)	22	24	25	26	27	28	29	29	31	34	35	35	36	37	39	40	42	42	44	45	Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
Crown projecting grade	+	+	-	+	+	+	+	+	+	+	-	+	-	+	+	+	+	+	+	+	
Tree species	Qr	Qr	Qr	Qr	Qr	Qr	Qr	Qr	Qr	Qr	Ar	Qr	Qr	Qr	Qr	Qr	Qr	Qr	Qr	Qr	
Tree form	2	1	3	3	1	1	1	2	1	2	2	1	3	2	1	2	1	1	1	2	1
Die back	1	1	4	4	1	1	2	1	1	2	2	1	2	2	1	1	1	1	1	2	1
Defoliation ratio	1	1	2	3	1	1	2	1	1	2	2	1	3	2	1	2	1	1	2	2	1
Density of branch & leaf	1	1	2	3	1	1	2	2	1	1	2	2	2	2	1	2	1	2	2	2	1
Leaf color																					
Necrosis of leaf																					
Integrated evaluation	1.25	1	2.75	3.25	1	1	1.75	1.5	1	1.75	2	1.25	2.5	2	1	1.75	1	1.5	2	1	

Distance from edge(m)	47	47																			Total
Tree number	41	42																			
Crown projecting grade	+	+																			
Tree species	Qr	Qr																			
Tree form	3	1																			
Die back	3	1																			
Defoliation ratio	2	1																			
Density of branch & leaf	3	2																			
Leaf color																					
Necrosis of leaf																					
Integrated evaluation	2.75	1.25																			1.5952

Decline Survey Items and Evaluation Criteria

Decline grade Item	Evaluation criteria				
	0	1	2	3	4
Tree form	Natural form	Slightly deformed but almost natural form	Considerably deformed	Completely deformed and malformed	Completely malformed and dead or nearly dead
Die back	None	Not very noticeable	Noticeable	Very noticeable	Dead
Branch and leaf density	Well balanced	A little less balanced than 0	A little sparse	Very sparse with many branches dead and leaves scanty	Dead
Defoliation rate(%)	0-10	>10-25	>25-60	>60	Dead
Leaf color	Normal	A little abnormal	Considerably	Noticeably abnormal	Dead
Leaf necrosis	None	Slight	Considerable	Noticeable	Dead

Note: Tree form



The forest decline survey is conducted for every individual tree in the forest stand by measuring the degree of decline of the trunk, branches, and leaves. Forest decline is surveyed using 6 criteria: tree form, die back, branch and leaf density, defoliation rate, leaf color and leaf necrosis. Each of these criteria are evaluated using a five-point system of 0 to 4.

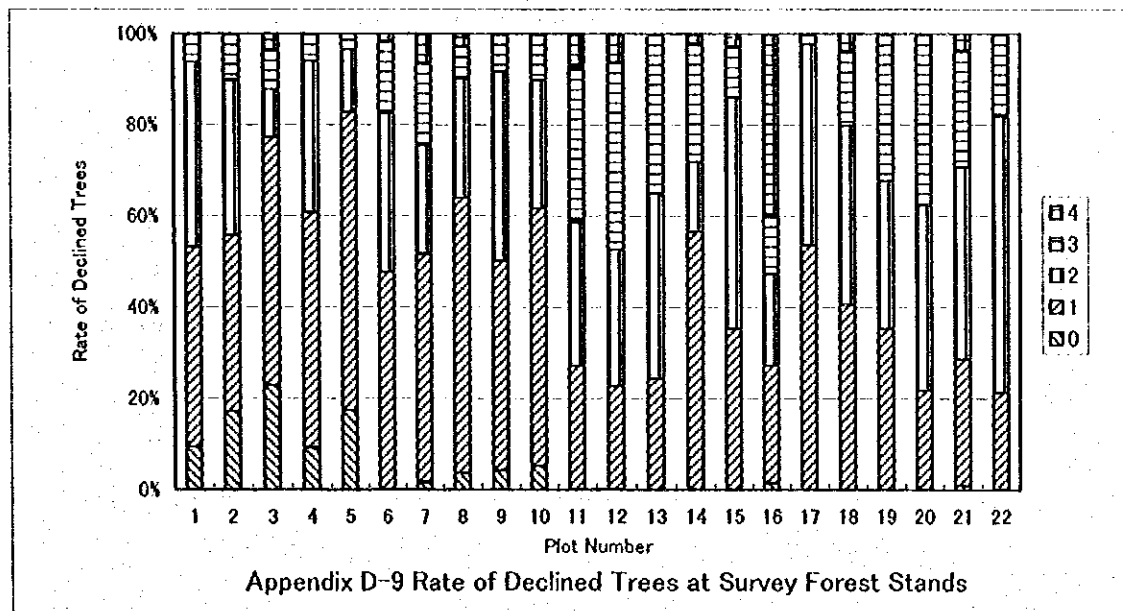
The survey items and evaluation criteria of the forest decline survey are shown in the table above. The relation between decline grade and damage degree is:

0= No damage, 1= Slightly damaged, 2= Considerably damaged, 3= Seriously damaged, 4= Dead.

Decline is evaluated using all the survey criteria for every individual tree. The overall evaluation of decline grade is shown as decline grade of forest stand which are calculated by average of every individual tree express on a scale of 0 to 4.

Appendix D-8 Percentage of Declined Trees at Survey Forest Stands

Plot no.	Forest Range	Detail of UP	Forest name	Number of tree and rate of declined trees	Decline grade					Total
					0	1	2	3	4	
1	Craiova	UP II, 63	Bucovat	Number of tree Rate of declined trees(%)	3 9.4	14 43.8	13 40.6	2 6.3	0 0.0	32 100.0
2	Craiova	UP I, 65B	Criva	Number of tree Rate of declined trees(%)	10 13.7	37 31.0	20 27.4	6 8.2	0 0.0	73 100.0
3	Craiova	UP III, 90	Seaca de Padure	Number of tree Rate of declined trees(%)	13 22.8	31 54.4	6 10.5	5 8.8	2 3.5	57 100.0
4	Craiova	UP IV, 76	Bratovoesti	Number of tree Rate of declined trees(%)	3 9.1	17 51.5	11 33.3	2 6.1	0 0.0	33 100.0
5	Craiova	UP IV, 19	Secui	Number of tree Rate of declined trees(%)	5 17.2	19 65.5	4 13.8	1 3.4	0 0.0	29 100.0
6	Craiova	UP IV, 143	Cosoveni	Number of tree Rate of declined trees(%)	0 0.0	30 47.6	22 34.9	10 15.9	1 1.6	63 100.0
7	Segarcea	UP IV, 17	Panaghia	Number of tree Rate of declined trees(%)	2 1.6	63 50.0	30 23.8	23 18.3	8 6.3	126 100.0
8	Segarcea	UP V, 17	Calopar	Number of tree Rate of declined trees(%)	4 3.6	67 60.4	29 26.1	8 7.2	3 2.7	111 100.0
9	Segarcea	UP III, 72	Radovan	Number of tree Rate of declined trees(%)	2 4.2	22 45.8	20 41.7	4 8.3	0 0.0	48 100.0
10	Sadova	UP II, 54C	Ostroveni	Number of tree Rate of declined trees(%)	2 5.1	22 56.4	11 28.2	4 10.3	0 0.0	39 100.0
11	Amardja	UP I, 22	Melimesti	Number of tree Rate of declined trees(%)	0 0.0	32 30.5	37 35.2	40 38.1	9 8.6	105 100.0
12	Perisor	UP III, 54	Perisor	Number of tree Rate of declined trees(%)	0 0.0	22 22.7	29 29.9	40 41.2	6 6.2	97 100.0
13	Perisor	UP I, 64	Verbicioara	Number of tree Rate of declined trees(%)	0 0.0	9 24.3	15 40.5	13 35.1	0 0.0	37 100.0
14	Perisor	UP I, 62A	Verbicioara	Number of tree Rate of declined trees(%)	0 0.0	26 56.5	7 15.2	12 26.1	1 2.2	46 100.0
15	Bals	UP I, 15	Voinesa	Number of tree Rate of declined trees(%)	0 0.0	25 35.2	36 50.7	8 11.3	2 2.8	71 100.0
16	Bals	UP V, 145	Mirila	Number of tree Rate of declined trees(%)	1 1.4	18 25.7	14 20.0	9 12.9	28 40.0	70 100.0
17	Bals	UP V, 79	Bobicesti	Number of tree Rate of declined trees(%)	0 0.0	23 53.5	19 44.2	1 2.3	0 0.0	43 100.0
18	Caracal	UP I, 38A	Vladila	Number of tree Rate of declined trees(%)	0 0.0	32 40.5	31 39.2	13 16.5	3 3.8	79 100.0
19	Caracal	UP III, 49A	Resca	Number of tree Rate of declined trees(%)	0 0.0	13 35.1	12 32.4	12 32.4	0 0.0	37 100.0
20	Vulturesti	UP III, 23	Topana	Number of tree Rate of declined trees(%)	0 0.0	8 21.6	15 40.5	14 37.8	0 0.0	37 100.0
21	Slatina	UP VI, 175B	Scornicesti	Number of tree Rate of declined trees(%)	1 0.9	30 27.5	46 42.2	28 25.7	4 3.7	109 100.0
22	Slatina	UP V, 32K	Seaca Optasani	Number of tree Rate of declined trees(%)	0 0.0	7 21.2	20 60.6	6 18.2	0 0.0	33 100.0



Appendix D-10 Tree species and die back grade of the belt-transect

Traverse line	Belt - transect	Forest name	Tree species	Die back grade
I-1	17	Desa	<i>Populus euroamericana</i>	0.3
	18	Desa	<i>Robinia pseudoacacia</i>	0.4
I-2	11	Verbicioara	<i>Q.frainetto, Q.cerris, Crataegus monogyna</i>	1.7
	12	Verbicioara	<i>Q.frainetto, Q.cerris</i>	1.9
I-3	3	Seaca	<i>Q.frainetto</i>	1.1
	4	Seaca	<i>Q.frainetto</i>	1.7
II-1	13	Tarnava	<i>Q.cerris, Q.frainetto, Q.pubescens, Prunus spinosa, Euonymus europaeus, Pyrus pyraster, C. monogyna</i>	2.1
II-2	1	Bucovat	<i>Q.petraea, Fraxinus ornus, Carpinus betulus, C.orientalis, Acer campestre</i>	1.5
	2	Bucovat	<i>Q.frainetto, Q.cerris, Q.petraea, F.ornus, Acer campestre, Pyrus pyraster, Cornus mas</i>	1.8
	30	Filiasi	<i>Q.robur, T.cordata</i>	0.8
	31	Filiasi	<i>Fagus silvatica, U.glabra</i>	1.1
	32	Filiasi	<i>Q.petraea, F.excelsior, C.monogyna</i>	1.1
III-1	9	Zaval	<i>F.excelsior, Q.robur, Cornus mas, C.monogyna</i>	1.4
	10	Zaval	<i>Fraxinus excelsior, Q.robur, Acer campestre, Crataegus monogyna</i>	1.5
III-2	16	Rebegi	<i>Q.robur, Q.pedunculiflora, F.excelsior, A.campestre</i>	1.7
III-3	5	Bratovoesti	<i>F.excelsior, Q.robur, A.campestre, Ulmus minor, Tilia argentea, Carpinus betulus, Crataegus monogyna</i>	0.96
	6	Bratovoesti	<i>F.excelsior, Q.robur, Tilia argentea, C.monogyna</i>	1.6
III-4	7	Amaradia	<i>Q.frainetto, Q.petraea, Fraxinus ornus</i>	1.6
	8	Amaradia	<i>Q.frainetto, Q.cerris, Fraxinus ornus</i>	1.5
	29	Bratovoesti	<i>Alnus glutinosa, Sambucus nigra, F.excelsior</i>	0.6
IV-1	14	Celaru	<i>Robinia pseudoacacia</i>	3
	15	Madona	<i>Robinia pseudoacacia</i>	2.9
IV-2	21	Bals	<i>Q.cerris, Q.frainetto</i>	1.4
	22	Bals	<i>Q.petraea, Q.cerris</i>	1
V-1	25	Vladila	<i>Q.pubescens, Q.pedunculiflora, C.monogyna</i>	0.3
	26	Vladila	<i>Q.pedunculiflora</i>	0.5
V-2	23	Resca	<i>Q.robur, F.excelsior, Carpinus betulus, Ulmus laevis, Acer campestre</i>	0.7
	24	Resca	<i>Q.robur, A.campestre, T.platyphyllos, Malus sylvestris</i>	0.5
V-3	19	Seaca Optasani	<i>Q.frainetto</i>	2.4
	20	Seaca Optasani	<i>Q.frainetto</i>	1.1
V-4	27	Vulturesti	<i>Q.petraea, Q.robur, Q.frainetto, Carpinus betulus, Pyrus pyraster</i>	0.4
	28	Vulturesti	<i>Q.frainetto</i>	1.4

Appendix D-11 Rate of Declined Trees at Belt-Transsect Survey Points

Belt no.	Forest Range	UP, ua.	Forest Name	Decline Grade						Degree of Damage
				0	1	2	3	4	Total	
1	Craiova	UP II, 69B	Bucovat	5	0	7	1	1	14	S
				35.7	0.0	50.0	7.1	7.1	100.0	
2	Craiova	UP II, 78A	Bucovat	4	3	2	4	2	15	M
				26.7	20.0	13.3	26.7	13.3	100.0	
3	Craiova	UP III, 94B	Seaca	3	15	2	2	0	22	
				13.6	68.2	9.1	9.1	0.0	100.0	
4	Craiova	UP III, 51A	Seaca	1	3	9	1	0	14	S
				7.1	21.4	64.3	7.1	0.0	100.0	
5	Craiova	UP I, 72A	Brtovesti	8	8	7	0	0	23	W
				34.8	34.8	30.4	0.0	0.0	100.0	
6	Craiova	UP IV, 66C	Brtovesti	0	11	5	1	1	18	W
				0.0	61.1	27.8	5.6	5.6	100.0	
7	Craiova	UP I, 32C	Amaradea	0	6	12	4	0	22	S
				0.0	27.3	54.5	18.2	0.0	100.0	
8	Craiova	UP I, 32D	Amaradea	5	16	2	5	6	34	W
				14.7	47.1	5.9	14.7	17.6	100.0	
9	Sadova	UP III, 11A	Zaval	1	6	3	1	0	11	W
				9.1	54.5	27.3	9.1	0.0	100.0	
10	Sadova	UP III, 14A	Zaval	0	8	1	1	0	15	
				0.0	53.3	6.7	6.7	0.0	100.0	
11	Perisor	UP I, 103A	Verbicioara	4	8	0	0	0	12	
				33.3	66.7	0.0	0.0	0.0	100.0	
12	Perisor	UP I, 75A	Verbicioara	1	4	17	1	0	23	S
				4.3	17.4	73.9	4.3	0.0	100.0	
13	Perisor	UP III, 33A	Tarnava	2	9	11	2	1	30	M
				6.7	30.0	36.7	6.7	3.3	100.0	
14	Apele Vii	UP III, 9	Celaru	0	0	3	7	3	13	S
				0.0	0.0	23.1	53.8	23.1	100.0	
15	Apele Vii	UP I, 79B	Madona	0	1	12	29	6	48	S
				0.0	2.1	25.0	60.4	12.5	100.0	
16	Segarcea	UP IV, 6B	Rebegi	3	6	16	3	0	28	S
				10.7	21.4	57.1	10.7	0.0	100.0	
17	Poiana Mare	UP II, 53A	Desa	7	1	1	0	0	9	
				77.8	11.1	11.1	0.0	0.0	100.0	
18	Poiana Mare	UP II, 144	Desa	4	4	1	0	0	9	
				44.4	44.4	11.1	0.0	0.0	100.0	
19	Slatina	UP V, 57A	Seaca Optasani	0	1	4	3	1	9	S
				0.0	11.1	44.4	33.3	11.1	100.0	
20	Slatina	UP V, 37	Seaca Optasani	2	4	3	0	0	9	W
				22.2	44.4	33.3	0.0	0.0	100.0	
21	Bals	UP V, 65A	Bals	1	5	6	0	0	12	M
				8.3	41.7	50.0	0.0	0.0	100.0	
22	Bals	UP V, 91B	Bals	2	4	2	0	0	8	W
				25.0	50.0	25.0	0.0	0.0	100.0	
23	Caracal	UP III, 65A	Resca	12	7	2	2	0	23	
				52.2	30.4	8.7	8.7	0.0	100.0	
24	Caracal	UP III, 52A	Resca	14	7	3	0	0	24	
				58.3	29.2	12.5	0.0	0.0	100.0	
25	Caracal	UP I, 44B	Vladila	3	16	12	0	0	31	W
				9.7	51.6	38.7	0.0	0.0	100.0	
26	Caracal	UP I, 43B	Vladila	7	7	0	0	0	14	
				50.0	50.0	0.0	0.0	0.0	100.0	
27	Vulturesti	UP I, 98H	Vulturesti	12	6	1	0	0	19	
				63.2	31.6	5.3	0.0	0.0	100.0	
28	Vulturesti	UP I, 101G	Vulturesti	2	5	9	0	0	16	M
				12.5	31.3	56.3	0.0	0.0	100.0	
29	Craiova	UP IV, 85	Bratovoesti	20	1	0	0	1	22	
				90.9	4.5	0.0	0.0	4.5	100.0	
30	Filiasi	UP III, 19B	Filiasi	3	4	1	0	0	8	
				37.5	50.0	12.5	0.0	0.0	100.0	
31	Filiasi	UP II, 140	Filiasi	2	7	3	0	0	12	W
				16.7	58.3	25.0	0.0	0.0	100.0	
32	Filiasi	UP II, 141B	Filiasi	4	8	4	0	1	17	W
				23.5	47.1	23.5	0.0	5.9	100.0	

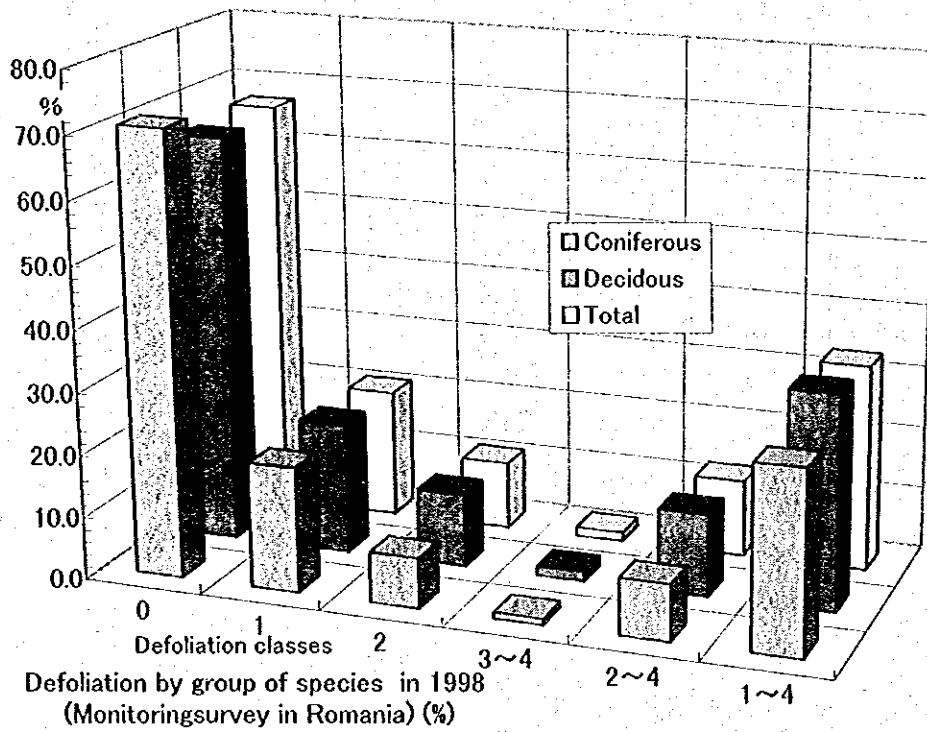
Note: Decline grade: Upper: Number of tree
Degree of damage: Weak (W): 20~39%
Moderate (M): 40~59%
Strong (S): 60<%

Under: Rate of decline trees (%)
(Rate of declining more than two)
(Rate of declining more than two)
(Rate of declining more than two)

Appendix D-12 Monitoring Survey in Romania

Defoliation by group of species in 1998 (Monitoring survey in Romania) (%)

Group of species	Defoliation classes					
	0	1	2	3~4	2~4	1~4
Coniferous	71.0	20.0	8.0	1.0	9.0	29.0
Deciduous	65.7	21.0	11.8	1.5	13.3	34.3
Total	66.9	20.8	10.9	1.4	12.3	33.1



Appendix D-13 Result of Forest Survey

County	Forest Range	UP	UP Name	Compartment	Stand Age	Plot Area	Number of Surveyed trees	Number of Trees per ha	Rate of Tree Species		Average Tree height	Average DBH	Average Crown Diameter	Decline Grade			Rate of Decline Grade more than 2	Crown Density	Result of Interpretation in Aerial Photograph	Result of Interpretation in Aerial Photograph (Crown Density)	Result of Interpretation in Aerial Photograph (Damage)	Result of Interpretation in Aerial Photograph (Damage)	Average value by damage grade (absolute value)
									O.c	O.p				Grade 1	Grade 2	Grade 3							
Oit	Bals	III	Callu	46A	60	0.04ha	20	300	O.f 45% O.c 55%	-	16m	22cm	4m	60.0%	35.0%	4.0%	60%	FM4W	III	W	55	5	
Oit	Bals	III	Callu	47A	70	0.04ha	18	450	O.f 44% O.c 56%	-	16m	22cm	5m	55.5%	27.8%	11.1%	45%	OM4M	II	M	45	5	
Oit	Bals	III	Callu	97B	55	0.04ha	59	1475	O.f 100%	-	12m	14cm	4m	59.3%	37.3%	3.4%	60%	RAM	I	M	45	15	
Oit	Bals	III	Callu	74D	40	0.04ha	9	225	O.f 100%	-	13m	25cm	3m	44.4%	44.4%	11.1%	56%	FAS	I	S	39	14	
Oit	Bals	III	Callu	103E	75	0.04ha	15	375	O.f 87% O.t 13%	-	21m	32cm	7m	79.3%	26.7%	-	27%	RAM	III	W	55	5	
Oit	Bals	III	Callu	102C	25	0.04ha	31	775	O.f 100%	-	9m	15cm	4m	71.0%	25.8%	3.2%	29%	R3M	II	M	45	5	
Oit	Bals	III	Callu	101B	70	0.04ha	10	250	O.f 100%	-	19m	36cm	8m	30.0%	60.0%	10.0%	70%	R3M	I	S	39	19	
Oit	Bals	V	Bierita	25F	85	0.04ha	17	425	O.f 94% O.c 6%	-	20m	24cm	5m	64.7%	35.3%	-	35%	Q4W	III	S	55	5	
Oit	Bals	V	Bierita	161C	48	0.06ha	47	765	O.f 45% O.c 46%	O.p 2%	14m	16cm	4m	40.0%	15.9%	6.4%	60%	OM4S	I	S	39	9	
Oit	Bals	V	Bierita	166A	43	0.04ha	39	975	O.p 100%	-	13m	16cm	5m	61.5%	33.3%	2.6%	48%	OM4M	II	M	45	5	
Oit	Corwen	II	Cozeni	33A	49	0.04ha	18	450	O.f 52% O.c 48%	O.p 4%	13m	19cm	4m	51.7%	48.4%	-	48%	OM4M	II	M	45	5	
Oit	Corwen	II	Cozeni	33B	44	0.04ha	19	475	O.f 52% O.c 48%	-	12m	17cm	3m	42.1%	42.3%	5.6%	45%	OM4M	II	M	45	5	
Oit	Corwen	II	Cozeni	36C	69	0.04ha	17	425	O.f 100%	-	17m	24cm	5m	58.3%	41.7%	-	42%	OM4M	II	M	45	5	
Oit	Corwen	IV	Brannite	4E	13	0.01ha	29	2090	P.c 66% A.p 34%	-	5m	10cm	2m	72.4%	24.1%	3.4%	28%	OM4M	II	M	45	20	
Oit	Corwen	IV	Brannite	9A	17	0.04ha	23	575	R.p 100%	-	17m	18cm	4m	43.5%	34.8%	17.4%	57%	B2W	III	W	55	25	
Oit	Corwen	IV	Brannite	13A	12	0.04ha	38	950	R.p 100%	-	14m	15cm	3m	62.2%	26.3%	2.6%	37%	B2W	III	W	55	4	
Oit	Corwen	IV	Brannite	13F	17	0.04ha	38	950	R.p 100%	-	16m	18cm	4m	52.6%	31.6%	7.9%	47%	B2M	II	M	45	5	
Oit	Corwen	IV	Brannite	46B	60	0.04ha	12	300	O.f 75% O.c 25%	-	14m	27cm	4m	41.7%	41.7%	8.3%	38%	FM4S	I	S	39	11	
Oit	Corwen	IV	Brannite	49D	70	0.04ha	30	750	O.f 33% O.t 67%	-	13m	24cm	5m	33.4%	20.0%	13.3%	67%	OM4M	II	M	45	19	
Oit	Corwen	IV	Brannite	51B	70	0.04ha	23	575	O.f 74% O.t 26%	-	14m	19cm	4m	45.2%	34.8%	-	35%	OM4M	II	M	45	5	
Oit	Corwen	III	Brebani	59A	80	0.04ha	17	425	O.f 82% O.t 18%	-	14m	22cm	4m	52.9%	35.3%	11.8%	47%	OM4M	II	M	45	5	
Oit	Corwen	III	Brebani	57A	80	0.04ha	13	325	O.f 8% O.c 92%	-	17m	24cm	8m	50.0%	50.0%	-	50%	C4M	III	W	55	5	
Oit	Corwen	III	Brebani	58A	45	0.04ha	36	900	O.c 100%	-	14m	24cm	4m	47.2%	50.0%	2.8%	50%	C4M	II	M	45	5	
Oit	Corwen	III	Brebani	58D	45	0.04ha	44	1100	O.c 100%	-	11m	13cm	4m	54.5%	43.2%	2.3%	46%	C4M	II	M	45	5	
Doj	Amaradia	I	Coleni	8A	40	0.04ha	56	1400	O.c 100%	-	12m	11cm	3m	64.3%	28.6%	7.1%	36%	F4M	II	M	45	5	
Doj	Amaradia	I	Coleni	30B	50	0.04ha	31	775	O.f 100%	-	14m	16cm	4m	64.5%	25.8%	9.7%	36%	F4M	II	M	45	10	
Doj	Amaradia	I	Coleni	104A	55	0.04ha	40	1000	O.f 100%	-	15m	17cm	4m	65.0%	30.0%	2.5%	35%	F4M	II	M	45	10	
Doj	Amaradia	III	Balcu	15C	95	0.04ha	15	375	O.f 24% O.c 76%	-	20m	24cm	7m	60.0%	40.0%	-	40%	F4W	III	W	55	5	
Doj	Amaradia	III	Balcu	24A	55	0.04ha	59	1475	O.f 24% O.c 76%	-	13m	15cm	4m	83.1%	10.2%	3.4%	17%	OM4W	III	W	55	5	
Doj	Amaradia	III	Balcu	36	55	0.04ha	66	1650	O.f 45% O.c 55%	-	13m	15cm	4m	87.9%	9.1%	3.0%	12%	OM4W	III	W	55	10	
Doj	Amaradia	III	Balcu	44A	55	0.04ha	56	1400	O.f 63% O.t 37%	-	12m	15cm	4m	85.7%	14.3%	-	14%	OM4W	III	W	55	15	
Doj	Amaradia	III	Balcu	185C	90	0.04ha	19	475	O.f 100%	-	20m	26cm	8m	57.9%	42.1%	-	42%	F4W	II	M	45	6	
Doj	Apela VII	I	Madona	24Y	20	0.04ha	60	1500	R.p 100%	-	9m	10cm	2m	53.3%	26.7%	13.3%	67%	B2M	II	M	45	10	
Doj	Apela VII	I	Madona	29A	13	0.04ha	88	2200	R.p 100%	-	5m	6cm	2m	59.1%	31.8%	4.5%	41%	B2S	I	S	39	24	
Doj	Apela VII	I	Madona	30C	19	0.04ha	60	1500	R.p 100%	-	8m	11cm	2m	26.7%	33.3%	13.3%	73%	B2M	II	M	45	25	
Doj	Apela VII	I	Madona	40D	18	0.04ha	96	2400	R.p 100%	-	7m	9cm	2m	45.8%	33.3%	16.7%	54%	B2W	III	W	55	5	
Doj	Apela VII	I	Madona	48	25	0.04ha	34	850	R.p 100%	-	12m	13cm	3m	55.9%	29.4%	2.9%	29%	B2M	II	M	45	5	
Doj	Chalaf	I	Maglavit	27A	30	0.04ha	48	1200	R.p 100%	-	14m	19cm	5m	50.0%	41.7%	-	44%	B2M	II	M	45	10	
Doj	Chalaf	I	Maglavit	28A	35	0.04ha	16	400	R.p 100%	-	20m	24cm	5m	56.3%	25.0%	18.8%	44%	B2M	II	M	45	4	
Doj	Crucva	I	Criva	42A	52	0.04ha	28	700	O.f 89% O.c 11%	-	11m	17cm	4m	28.5%	39.2%	14.3%	75%	C4M	II	M	45	5	
Doj	Crucva	I	Criva	68B	87	0.04ha	10	250	O.f 100%	-	14m	24cm	7m	50.0%	10.0%	30.0%	50%	F4S	I	S	39	19	
Doj	Crucva	I	Criva	77B	87	0.04ha	10	250	O.f 100%	-	21m	30cm	9m	30.0%	40.0%	20.0%	70%	FM4S	I	S	39	1	

County	Forest Range	UP Name	Compartment	Stand Age	Plot Area	Number of Tree Survived	Number of Tree per ha	Rare of Tree Species	Average Tree height	Average DBH	Average Crown Diameter	Decline Grade	Rate of Decline Grade more than 2	Rate of Crown Density	Result of Interpretation in Aerial Photograph	Result of Interpretation in Aerial Photograph (Crown Density)	Result of Interpretation in Aerial Photograph (Damage Grade)	Result of Interpretation in Aerial Photograph	Result of Interpretation in Aerial Photograph (Value)	Result of Interpretation in Aerial Photograph (Value)					
Doi	Chaiyava	I	Chiva	81B	82	0.04ha	14	350	Q. 71%	19m	20cm	9m	21.4%	50.0%	24.5%	79%	50%	S	FAMAM	2	M	45	5	31	
Doi	Chaiyava	I	Chiva	92B	57	0.04ha	24	600	Q. 50%	19m	20cm	6m	62.5%	29.2%	8.3%	34%	55%	W	OMAM	2	M	45	10	11	
Doi	Chaiyava	I	Chiva	116B	47	0.04ha	13	325	Q. 100%	13m	22cm	5m	30.8%	46.2%	23.1%	69%	35%	S	FAS	1	S	39	5	0	
Doi	Chaiyava	II	Bucuvat	41A	47	0.04ha	42	1050	Q. 14%	14m	19cm	4m	71.4%	21.4%	4.8%	29%	65%	W	FAW	3	W	55	10	3	
Doi	Chaiyava	II	Bucuvat	43	47	0.04ha	26	650	Q. 8%	12m	19cm	3m	69.2%	23.1%	7.7%	31%	60%	W	FMAW	3	W	55	5	1	
Doi	Chaiyava	II	Bucuvat	44A	47	0.04ha	23	575	Q. 74%	14m	19cm	4m	60.9%	39.1%		39%	55%	W	OMAW	3	W	55	15	7	
Doi	Chaiyava	II	Bucuvat	95A	52	0.04ha	49	1235	Q. 100%	12m	14cm	3m	51.0%	44.9%	4.1%	49%	60%	M	OMAM	2	M	45	15	1	
Doi	Chaiyava	III	Sauca	48A	97	0.04ha	31	705	Q. 100%	15m	18cm	5m	34.7%	41.9%	9.7%	61%	35%	S	FAS	1	S	39	8	8	
Doi	Chaiyava	III	Sauca	52C	62	0.04ha	24	700	Q. 100%	17m	20cm	4m	50.0%	32.1%	3.6%	50%	50%	M	FAM	2	M	45	5	2	
Doi	Chaiyava	III	Sauca	89A	57	0.04ha	19	475	Q. 100%	13m	21cm	3m	47.4%	31.6%	5.3%	53%	50%	M	FAM	2	M	45	5	5	
Doi	Chaiyava	III	Sauca	110D	67	0.04ha	27	675	Q. 85%	15m	19cm	4m	81.5%	14.2%	3.7%	19%	65%	W	OMAM	2	M	45	10	14	
Doi	Chaiyava	III	Sauca	119C	67	0.04ha	14	450	Q. 100%	15m	21cm	4m	44.0%	48.0%		8.0%	56%	M	FAM	2	M	45	5	8	
Doi	Filiasi	II	Argetoua	53D	91	0.04ha	15	375	Q. 37%	10m	24cm	5m	40.0%	20.9%	26.7%	13.2%	69%	S	FAW	3	W	55	5	28	
Doi	Filiasi	II	Argetoua	59C	61	0.04ha	24	600	Q. 79%	16m	21cm	8m	29.2%	33.3%	12.5%	71%	35%	S	FAW	3	W	55	15	39	
Doi	Filiasi	II	Argetoua	72A	81	0.04ha	18	450	Q. 21%	24m	27cm	5m	66.7%	27.8%	6.6%	34%	65%	W	CAW	3	W	55	10	2	
Doi	Filiasi	II	Argetoua	72C	81	0.04ha	27	675	Q. 74%	17m	21cm	5m	59.2%	25.9%	3.7%	41%	55%	M	FMAW	3	W	55	5	9	
Doi	Filiasi	III	Filiasi	56D	71	0.04ha	12	300	Q. 33%	10m	22cm	5m	55.0%	35.0%	10.0%	45%	60%	M	FAW	3	W	55	5	13	
Doi	Filiasi	III	Filiasi	58C	71	0.04ha	14	350	Q. 79%	17m	27cm	8m	58.3%	41.6%		42%	45%	M	OMAM	2	M	45	5	6	
Doi	Filiasi	III	Filiasi	92B	51	0.04ha	18	450	Q. 100%	11m	19cm	5m	37.1%	42.9%		43%	50%	M	FAM	2	M	45	5	5	
Doi	Filiasi	III	Filiasi	105C	26	0.04ha	48	1200	Q. 25%	10m	16cm	3m	66.7%	33.3%	5.6%	39%	45%	W	FAM	2	M	45	15	15	
Doi	Filiasi	III	Filiasi	105A	27	0.04ha	34	850	Q. 26%	9m	15cm	3m	67.6%	23.5%	4.8%	32%	63%	W	OMAM	2	M	45	15	15	
Doi	Filiasi	III	Filiasi	163A	61	0.04ha	45	1125	Q. 78%	12m	15cm	4m	66.6%	26.7%	6.7%	33%	65%	W	OMAM	3	W	55	10	1	
Doi	Filiasi	III	Filiasi	195B	46	0.04ha	29	725	Q. 90%	13m	15cm	4m	58.6%	31.0%	3.4%	41%	55%	M	FAM	2	M	45	10	7	
Doi	Perisor	I	Verbioarea	64A	70	0.04ha	26	650	Q. 73%	14m	20cm	4m	60.3%	23.0%	7.7%	51%	55%	W	FMAW	3	W	55	5	17	
Doi	Perisor	I	Verbioarea	67A	65	0.04ha	19	475	Q. 100%	14m	20cm	4m	47.4%	42.1%	10.5%	53%	50%	M	FAM	2	M	45	5	5	
Doi	Perisor	I	Verbioarea	71A	60	0.04ha	22	575	Q. 22%	13m	24cm	5m	56.5%	39.1%		43%	55%	M	OMAM	2	M	45	10	5	
Doi	Perisor	I	Verbioarea	90B	40	0.04ha	44	1100	Q. 82%	12m	16cm	4m	61.4%	38.6%		39%	70%	W	FAW	3	W	55	15	7	
Doi	Perisor	I	Verbioarea	99A	40	0.04ha	48	1200	Q. 75%	14m	16cm	4m	66.7%	25.0%	4.2%	33%	63%	W	CAW	3	W	55	10	1	
Doi	Perisor	I	Verbioarea	100C	35	0.04ha	55	1375	Q. 100%	12m	16cm	3m	30.9%	43.6%	5.5%	49%	60%	M	FAW	3	W	55	5	17	
Doi	Perisor	I	Verbioarea	111A	95	0.04ha	14	350	Q. 57%	21m	32cm	9m	50.0%	28.6%	21.4%	50%	35%	M	OMAM	2	M	45	10	2	
Doi	Perisor	I	Verbioarea	125A	95	0.04ha	24	600	Q. 15%	20m	28cm	6m	50.0%	25.0%	16.7%	8.3%	50%	M	GAM	2	M	45	5	2	
Doi	Perisor	III	Timava	81A	45	0.04ha	63	1575	Q. 90%	13m	17cm	4m	55.5%	39.7%	4.8%	45%	60%	M	OMAM	2	M	45	15	4	
Doi	Perisor	III	Timava	82A	45	0.04ha	36	900	Q. 118%	14m	18cm	4m	63.9%	30.5%	2.8%	36%	65%	W	OMAM	3	W	55	10	4	
Doi	Perisor	III	Timava	83A	50	0.04ha	49	1075	Q. 40%	14m	17cm	4m	69.2%	23.1%	5.2%	2.6%	31%	70%	W	OMAM	3	W	55	15	1
Doi	Perisor	III	Timava	85A	50	0.04ha	34	850	Q. 100%	14m	18cm	5m	55.9%	25.9%		18.6%	44%	M	OMAM	3	W	55	10	12	
Doi	Perisor	III	Timava	89A	50	0.04ha	34	850	Q. 100%	10m	15cm	4m	44.1%	29.6%	2.9%	23.5%	56%	M	FAM	2	M	45	5	8	
Doi	Perisor	III	Timava	96A	50	0.04ha	63	1575	Q. 61%	12m	16cm	4m	58.9%	31.7%	1.6%	7.9%	41%	55%	M	OMAM	2	M	45	10	7
Doi	Perisor	IV	Fintele	11B	15	0.04ha	46	1150	Q. 59%	10m	13cm	3m	65.2%	24.2%	2.2%	4.3%	35%	50%	W	OMAM	3	W	55	5	3
Doi	Perisor	IV	Fintele	24F	65	0.04ha	26	650	Q. 77%	15m	19cm	3m	23.1%	42.3%	30.7%	3.8%	77%	40%	S	FMAW	3	M	45	5	29
Doi	Perisor	IV	Fintele	26A	65	0.04ha	15	375	Q. 27%	19m	28cm	6m	73.3%	26.6%		27%	40%	M	OMAM	3	W	55	15	5	
Doi	Perisor	IV	Fintele	31B	50	0.04ha	19	475	Q. 70%	14m	20cm	4m	47.4%	52.6%		52%	50%	M	FAM	2	M	45	5	5	
Doi	Perisor	IV	Fintele	34B	65	0.04ha	21	525	Q. 100%	16m	24cm	5m	57.1%	26.6%	14.3%	43%	40%	M	OMAM	3	W	55	10	11	
Doi	Polina Mare	I	Polina Mare	63D	23	0.04ha	27	675	R.p. 100%	15m	16cm	4m	59.3%	33.3%		7.4%	41%	55%	M	B2S	1	S	39	15	28
Doi	Sadova	III	Lunca Jilului	90A	20	0.04ha	24	625	R.p. 100%	12m	15cm	4m	48.0%	24.0%	16.0%	8.0%	52%	50%	M	B2M	2	S	39	5	4
Doi	Sadova	III	Lunca Jilului	90C	20	0.04ha	24	625	R.p. 100%	12m	15cm	4m	47.1%	38.2%	11.8%	2.9%	53%	50%	M	B2M	2	M	45	5	5
Doi	Sadova	IV	Paraghita	52A	32	0.04ha	72	1800	Q.r. 100%	12m	18cm	3m	50.0%	44.4%	5.6%	50%	45%	M	R3M	2	M	45	2	2	

Appendix D-14 Food consumption of *Lymantria dispar* larva grown in Romania (Raised individually from the second instars to prepupae. Feeding tree: *Quercus robur*, June 1998)

Individual	Sex	Date of examination and food consumption (Area of eaten leaf, cm ²)										Total			
		Jun.5	7	9	11	13	17	19	21	23	25		27	29	
1	♀	2.4	10.7	4.9	18.5	36.9	47.6	95.4	94.8	112.5	prep.				423.4
3	♀	1.3	20.8	16.9	5.4	33.0	37.4	34.0	52.6	104.7	177.2	96.1	prep.		579.4
6	♀	2.9	10.9	6.3	22.5	45.3	22.2	81.4	73.6	124.1	80.8	prep.			470.0
Total	3	6.6	42.4	28.1	46.4	115.2	107.2	210.8	221.0	341.3	258.0	96.1	0		1472.8
Mean		2.2	14.1	9.4	15.5	38.4	35.7	70.3	73.7	113.8	129.0				490.9
S.D.		0.8	5.8	6.6	8.9	6.3	12.8	32.2	21.1	9.8	68.2				80.1
Feeding rate (%)		0.5	2.9	1.9	3.2	7.8	7.3	14.3	15.0	23.2	17.5	6.5			100.0
2	♂	1.5	5.1	6.0	13.9	25.0	21.4	31.1	43.1	9.8	prep.				156.9
4	♂	2.0	6.7	5.8	12.4	20.2	15.7	46.9	20.3	prep.					130.0
5	♂	0.6	14.0	4.9	9.9	25.7	21.7	38.5	29.3	11.6	prep.				156.2
8	♂	2.1	9.3	4.6	15.4	18.1	29.1	34.3	25.0	8.0	prep.				145.9
9	♂	3.6	5.4	13.9	2.3	15.2	10.0	22.4	27.7	60.1	prep.				160.6
10	♂	2.0	2.6	8.4	3.0	13.4	17.8	27.4	32.5	15.2	24.9	prep.			147.2
Total	6	11.8	43.1	43.6	56.9	117.6	115.7	200.6	177.9	104.7	24.9	0	0		896.8
Mean		2.0	7.2	7.3	9.5	19.6	19.3	33.4	29.7	20.9	24.9				149.5
S.D.		1.0	4.0	3.5	5.6	5.0	6.4	8.6	7.8	22.1					11.1
Feeding rate (%)		1.3	4.8	4.9	6.3	13.1	12.9	22.4	19.8	11.7	2.8				100.0

prep : prepupa

Appendix D-15 Food consumption and frass amount of *Lymantria dispar* larva grown in Romania (Raised individually from the second instars to prepupae. Feeding tree: *Quercus robur*)

Individual	No.	Sex	Food consumption (cm ²)	Number of frass	Dry weight of frass (g)	Weight of pupa (g)
1	1	♀	423.4	758	1.14	1.39
2	2	♂	156.9	658	0.82	0.45
3	3	♀	579.4	800	2.39	1.37
4	4	♂	130.0	633	0.78	0.41
5	5	♂	156.2	687	0.84	0.45
6	6	♀	470.0	841	1.31	1.41
7	7	died				
8	8	♂	145.9	650	0.85	0.45
9	9	♂	160.6	683	0.81	0.43
10	10	♂	147.2	844	0.83	0.41
Total		9	2,369.6	6,554	9.77	6.77
Mean			263.3	728.2	1.09	0.75
S.D.			175.59	83.68	0.52	0.48

Appendix D-16 Frass amount of *Lymantria dispar* larva collected by a litter trap in *Quercus* forests (Sohito forest, 1998)

Trap No.	DBH* (cm)	Egg mass /tree**	Date of examination and number of frass in each trap (g)																					
			Jun. 5	7	9	11	13	15	17	19	21	23	25	27	29	Jul. 1	3							
1	18	3.0	1,679	1,524		rainy weather		1,660	662	rainy				345	431	201	104	82	82	29	104	82	29	
2	16	0.6	1,818	1,352				835	815					304	disappeared		308	209	126	209	308	209	46	
3	16	0.6	2,103	1,907	1,346		1,062	1,046					388	disappeared										
4	17	0.0	690	927	625			643					432	545	312	244	217	142	142	217	244	217	67	
5	16	0.8	505	386				301					259	disappeared										
6	18	1.4	256	884			489	501					195	disappeared										
7	17	1.4	2,425	2,402				896					475	433	187	234	153	93	93	153	234	153	42	
8	17	2.0	1,450	1,247				449					204	194	129	101	81	75	75	101	101	81	40	
9	16	2.0	1,696	1,749	1,287		820	686					405	495	272	167	152	52	52	152	167	152	31	
10	16	2.4	775	701			380	309					270	300	180	139	84	30	30	84	139	84	20	
11	19	1.0	760	947			397	329					233	237	82	115	86	85	85	86	115	86	25	
12	17	1.2	670	742				437					83	137	78	93	65	38	38	65	93	65	16	
13	17	3.2	2,168	2,723				1,058					849	833	505	333	316	76	76	316	333	316	72	
14	14	2.0	193	256				198					180	251	120	40	40	12	12	40	40	40	5	
15	18	2.4	2,578	2,519				1,026					629	642	340	206	169	118	118	169	206	169	82	
16	17	0.8	2,733	2,027			1,238	1,282					671	748	595	312	280	194	194	280	312	280	34	
17	16	2.2	2,151	2,284				1,194					766	865	506	244	158	53	53	158	244	158	21	
18	16	0.8	1,453	1,506				691					402	427	227	172	139	97	97	139	172	139	62	
19	16	1.8	999	1,342			466	619					318	290	179	164	107	94	94	107	164	107	23	
20	16	3.4	2,742	1,872			830	917					516	584	435	243	217	146	146	217	243	217	38	
21	17	2.4	3,278	2,995	2,058		1,447	1,686					882	961	391	351	231	123	123	231	351	231	58	
22	17	2.4	disappeared					1,119					458	542	323	disappeared					disappeared			
23	16	2.2	1,313	1,284				740					303	298	143	124	89	53	53	89	124	89	20	
24	17	1.4	1,185	1,451			1,818	688					483	462	209	158	116	64	64	116	158	116	16	
25	16	0.6	1,194	1,371				694					353	278	147	115	88	98	98	88	115	88	25	
Total	416	42.0	36,814	36,398	5,316		11,442	18,986					10,403	9,953	5,361	3,967	3,079	1,851	1,851	3,079	3,967	3,079	772	
N			24	24	4		12	25					25	21	21	21	21	21	21	21	21	21	21	
Mean	16.6	1.68	1,534	1,517	1,329		954	759					416	474	255	189	147	88	88	147	189	147	37	
S.D.	1.0	0.9	853.8	723.1	586.0		497.4	352.5					208.4	232.6	132.8	87.7	74.7	43.4	43.4	74.7	87.7	74.7	20.8	

*DBH : The mean diameter of the closest five trees around the trap.

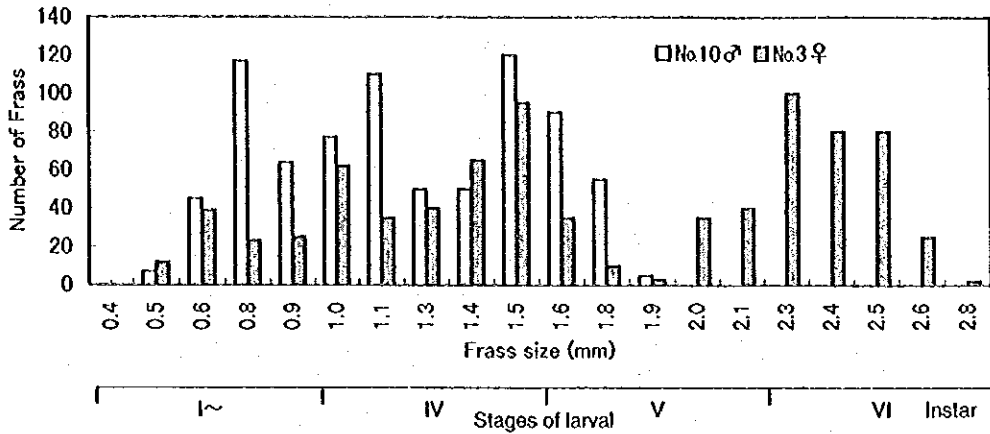
**Egg mass : The mean egg mass number on the closest five trees around the trap.

Appendix D-17 Weight of dry frass of *Lymantria dispar* larva collected by a litter trap in *Quercus* forests (Shihu forest, 1998)

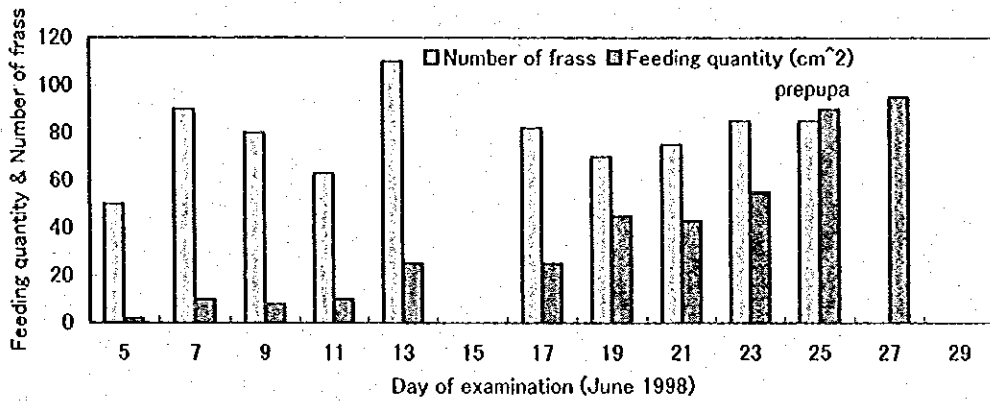
Trap No.	DBH* (cm)	Egg mass /tree**	Date of examination and dry weight of frass in each trap (g)													Total		
			Jun. 5	7	9	11	13	15	17	19	21	23	25	27	29 Jul. 1		3	
1	18	3.0	2.6	2.5	2.1	2.9	2.1	1.6	2.0	1.4	1.3	1.4	0.5	0.3	0.3	0.2	0.1	21.3
2	16	0.6	2.4	1.9	1.6	1.4	1.9	2.1	2.3	1.5	1.0	disappeared	disappeared	1.0	0.7	0.4	0.1	
3	16	0.6	3.0	2.9	2.7	3.0	3.3	3.6	3.6	1.8	1.6	disappeared	disappeared					
4	17	0.0	1.0	1.5	1.6	1.8	1.7	2.5	1.8	2.3	2.5	1.3	1.1	1.1	0.6	0.6	0.3	22.7
5	16	0.8	0.5	0.7	0.9	0.9	0.9	1.0	1.0	0.8	1.1	disappeared	disappeared					
6	18	1.4	0.9	1.3	1.2	1.6	1.2	1.7	1.7	0.9	0.7	disappeared	disappeared					
7	17	1.4	3.1	3.3	3.8	3.1	2.1	2.8	2.8	1.5	1.5	1.4	0.3	0.8	0.5	0.2	0.1	26.8
8	17	2.0	2.0	1.9	1.2	1.1	1.3	0.6	1.3	0.6	0.6	0.6	0.2	0.3	0.2	0.2	0.1	
9	16	2.0	3.2	3.4	3.0	3.8	2.8	2.6	2.6	2.0	1.6	1.6	0.8	0.3	0.5	0.2	0.1	
10	16	2.4	1.2	1.1	1.3	1.3	1.1	1.2	1.2	0.9	1.2	1.3	0.6	0.7	0.4	0.1	0.1	
11	19	1.0	0.9	1.3	1.1	1.0	0.9	1.2	1.2	0.8	0.9	0.8	0.2	1.5	0.3	0.3	0.1	
12	17	1.2	0.1	1.2	1.3	1.5	1.0	1.4	1.4	0.5	0.3	0.7	0.2	0.4	0.1	0.1	0.1	9.3
13	17	3.2	2.8	4.1	2.8	3.8	3.5	3.0	3.0	2.0	2.8	2.7	1.4	1.1	1.1	0.2	0.2	34.6
14	14	2.0	0.1	0.2	0.4	0.4	0.6	0.5	0.5	0.8	0.7	0.9	0.4	0.1	0.2	0.1	0.1	
15	18	2.4	3.4	3.5	2.9	3.9	2.9	3.1	3.1	2.2	2.2	2.2	1.2	0.4	0.5	0.4	0.2	32.0
16	17	0.8	3.4	2.4	3.8	4.0	3.3	3.8	3.8	1.8	2.2	2.6	1.2	1.0	0.9	0.6	0.1	34.2
17	16	2.2	3.2	3.6	3.5	4.1	4.0	4.1	4.1	2.0	3.6	3.8	1.8	1.0	0.6	0.2	0.1	39.2
18	16	0.8	2.0	2.1	2.8	2.2	1.9	2.3	2.3	1.4	1.6	1.7	0.8	0.2	0.8	0.3	0.3	22.1
19	16	1.8	1.2	1.5	1.4	1.1	1.1	1.8	1.8	0.8	1.2	1.0	0.5	0.7	0.4	0.3	0.1	14.2
20	16	3.4	2.6	2.2	2.1	2.0	1.9	2.1	2.1	1.1	1.6	2.0	1.2	0.5	0.7	0.5	0.1	23.1
21	17	2.4	4.4	3.6	5.5	6.4	5.1	6.1	6.1	3.5	3.9	3.8	1.1	1.4	0.9	0.4	0.2	50.3
22	17	2.4	disappeared	3.8	3.8	4.0	3.7	3.0	3.0	2.0	1.8	1.8	1.0	disappeared	disappeared			
23	16	2.2	1.7	2.1	2.2	2.4	2.1	2.0	2.0	1.0	1.0	1.2	0.4	0.5	0.3		0.1	
24	17	1.4	1.7	2.3	2.1	2.2	2.2	2.3	2.3	1.3	1.9	1.5	2.8	0.7	0.3		0.1	
25	16	0.6	1.5	2.1	2.3	1.9	1.7	2.1	2.1	1.1	1.3	1.0	0.4	0.5	0.4		0.1	
Total	416	42.0	48.5	53.9	47.2	50.0	53.6	59.8	59.8	35.5	39.9	36.5	18.3	14.4	10.7	5.2	2.8	350.0
N			24	24	22	20	25	25	25	25	25	21	21	21	21	17	21	12
Mean	16.6	1.7	2.0	2.2	2.1	2.5	2.1	2.4	2.4	1.4	0.6	1.7	0.9	0.7	0.5	0.3	0.1	27.5
S.D.	1.0	0.9	1.1	1.1	1.1	1.2	1.2	1.2	1.2	0.7	0.9	0.9	0.6	0.4	0.3	0.2	0.1	11.2

*DBH: The mean diameter of the closest five trees around the trap.

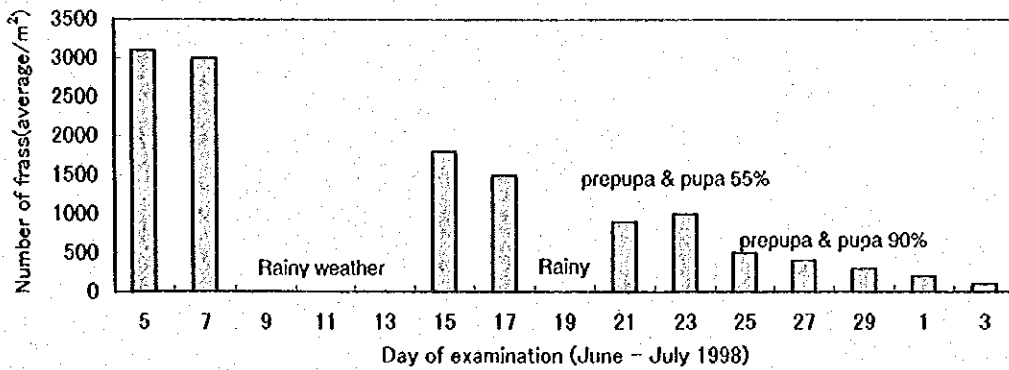
**Egg mass: The mean egg mass number on the closest five trees around the trap.



Appendix D-18 Number and size of dry frass of *Lymantria dispar* larva grown in Romania. (Raised individually from the second instars to prepupae. Feeding tree: *Quercus robur*)



Appendix D-19 Food consumption (leaf area cm²) and frass number of *Lymantria dispar* larva grown in Romania. (Raised individually from the second instars to prepupae. ♀3, ♂6, average value per one)



Appendix D-20 Frass amount of *Lymantria dispar* collected by a litter trap (DBH 80cm). (Schitu, 25 traps/ha)

