

Appendix D Forest Ecology and Forest Decline

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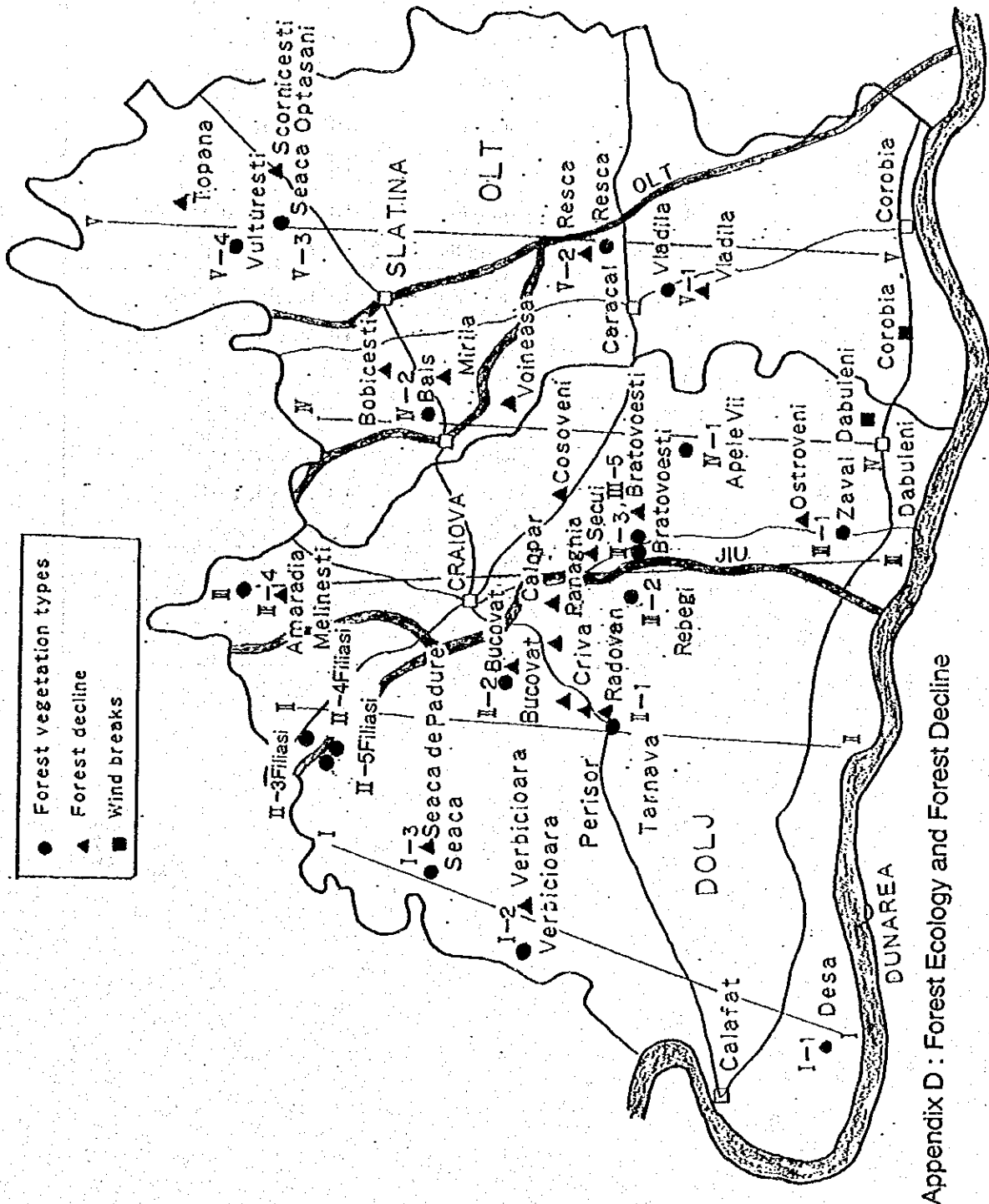
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Appendix D : Forest Ecology and Forest Decline

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

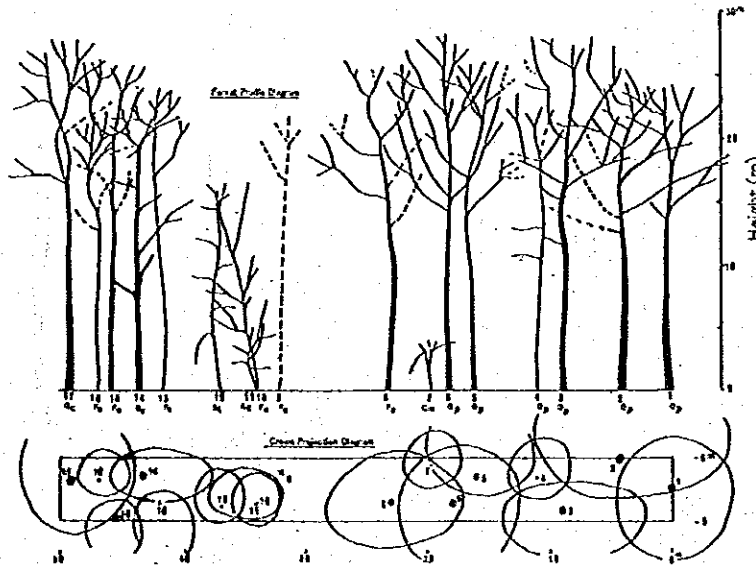
Appendix D-3 Forest profile diagrams and crown projection diagrams of the Belt-transects by each forest vegetation type.

(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 (N)			
	Number	%	4	5	10	18	22	24				26	28	
<i>Quercus petraea</i> (Op)	6	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	28	28.6	7.8
<i>Fraxinus excelsior</i> (Fa)	6	35.3				1	1	1	2			116	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	407	100.0	

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

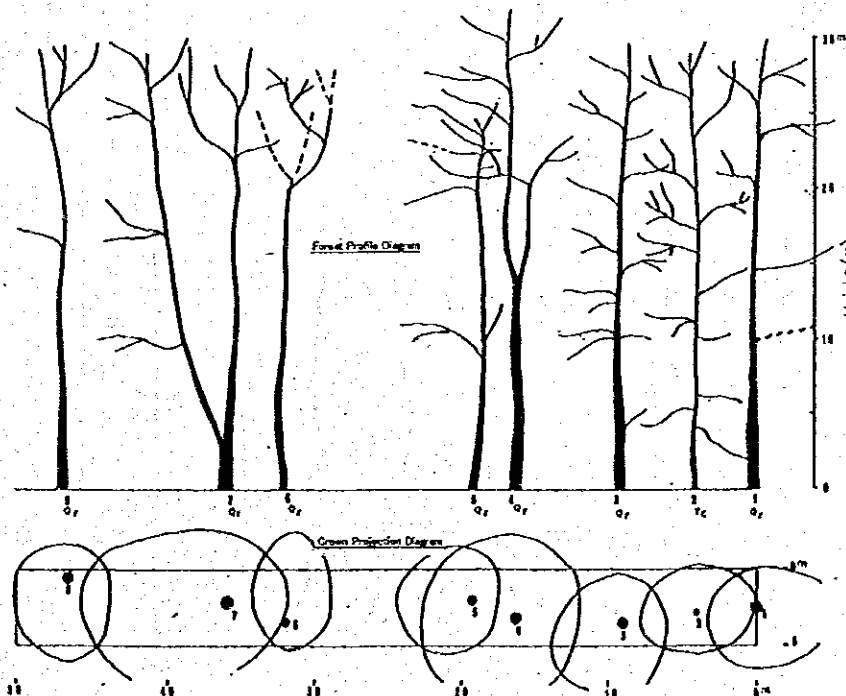
Fa: 6 trees include 1 dead tree



(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 (N)
	Number	%	20	28	30	32			
<i>Quercus robur</i> (Or)	7	87.5	1	4	1	1	208	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

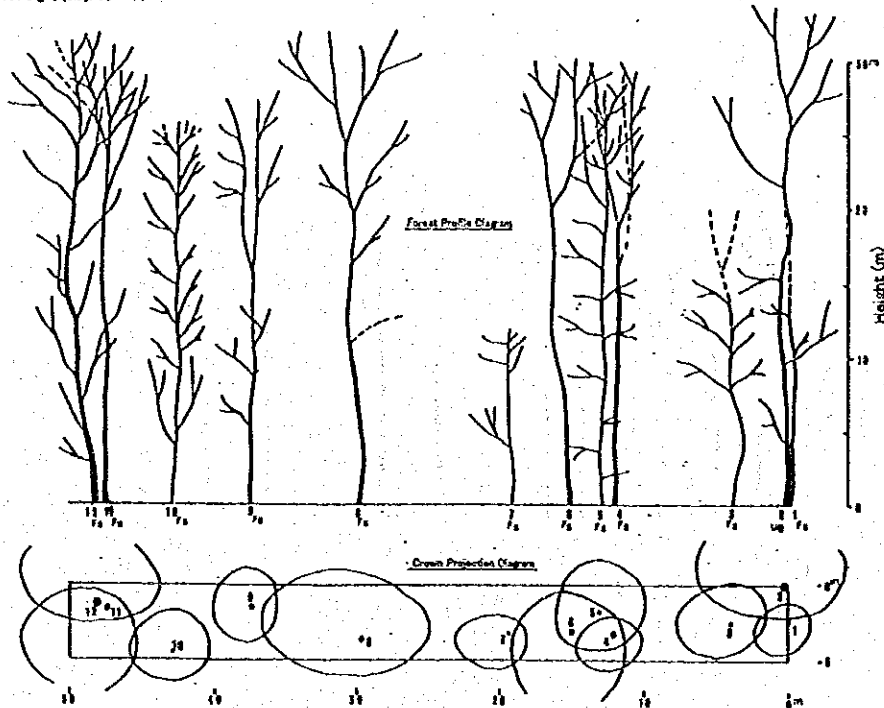
Note: Diameter of breast height (cm): 30-85



(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> (Fa)	11	91.7	1	2	1	2	3	2		288	224.0	92.1
<i>Ulmus glabra</i> (Ug)	1	8.3						1		34	9.9	7.9
Total	12	100.0	1	2	1	2	3	2	1	322	233.9	100.0

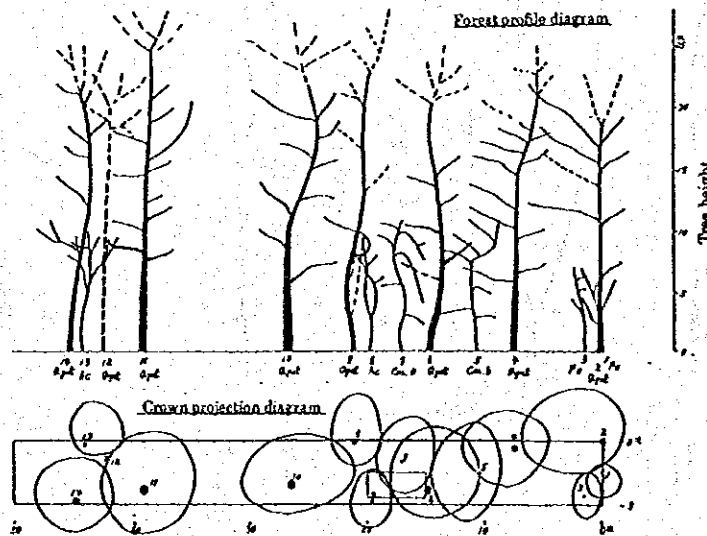
Note: Diameter of breast height (cm): 18 - 44



(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> (Opet)	8	57.1				2	(1)	1	2	1	2	180	180.9	62.7
<i>Fraxinus ornus</i> (Fo)	2	14.3		2								14	8.8	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

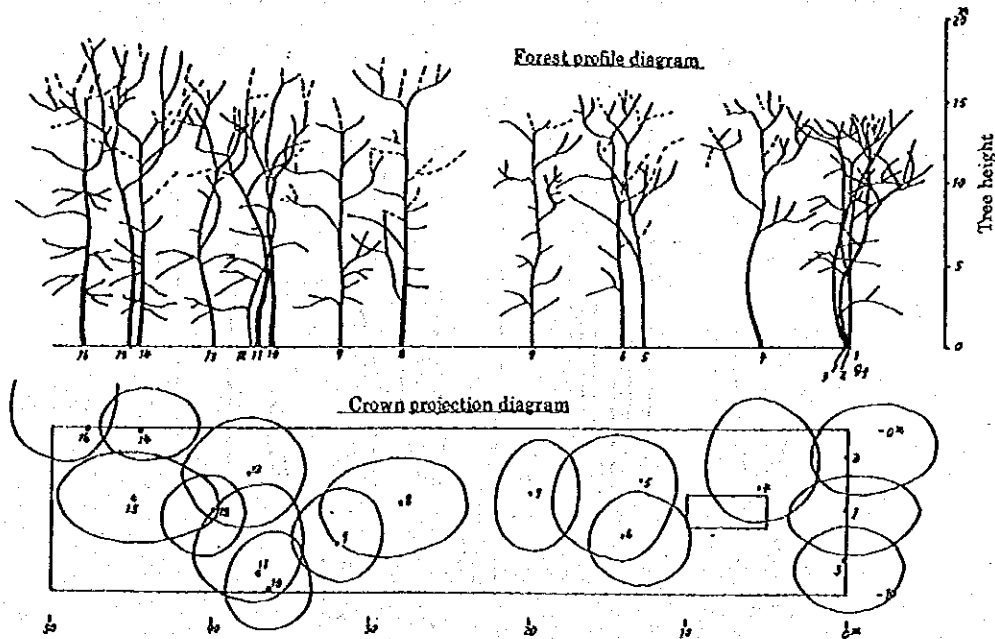
Note: Diameter of breast height (cm): 6-48



(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 (%)
	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

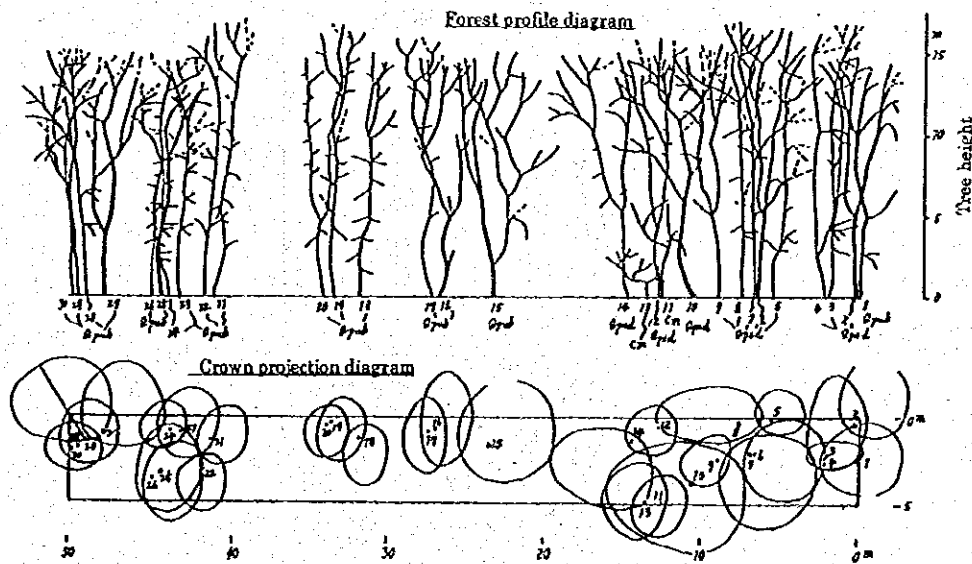
Note: Diameter of breast height (cm): 20-35



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

Species	Number of trees		Tree height class (m)					Total height (m)	Total covered area (m ²)	Summed dominance ratio (%)	
	Number	%	3	6	13	14	15				17
<i>Quercus pubescens</i> (Qpub)	17	58.7			3	1	10	1	253	139.0	53.7
<i>Q. pedunculiflora</i> (Qped)	11	38.7					5	3	174	141.3	43.2
<i>Crataegus monogyna</i> (Cm)	2	6.7	1	1					9	13.6	3.1
Total	30	100.0	1	1	3	1	15	4	436	293.9	100.0

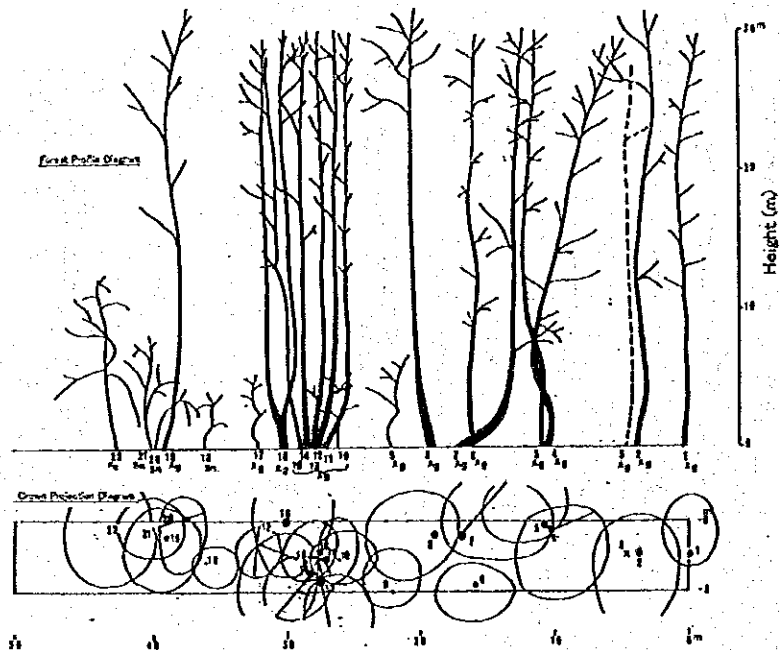
Note: Diameter of breast height (cm): 8-34



(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	6	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> (Fa)	1	4.5					1				12	28.0	7.8
<i>Sambucus nigra</i> (Sn)	6	27.3	1	3	1	1					33	63.7	18.8
Total	22	100.0	1	3	1	1	1	2	10	3	497	359.3	100.0

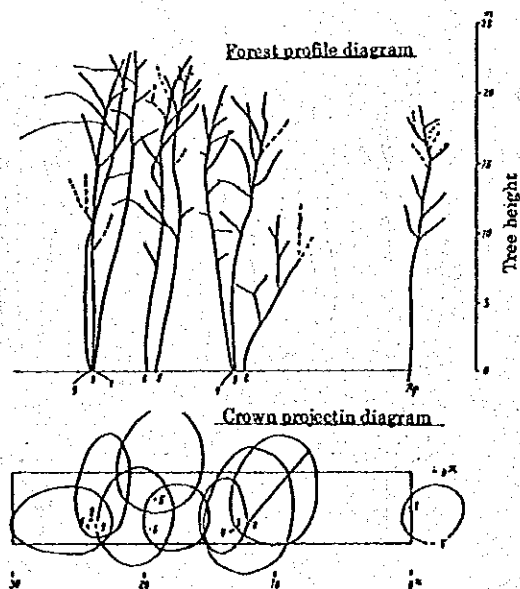
Note: Diameter of breast height (cm): 8-70



(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	19	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

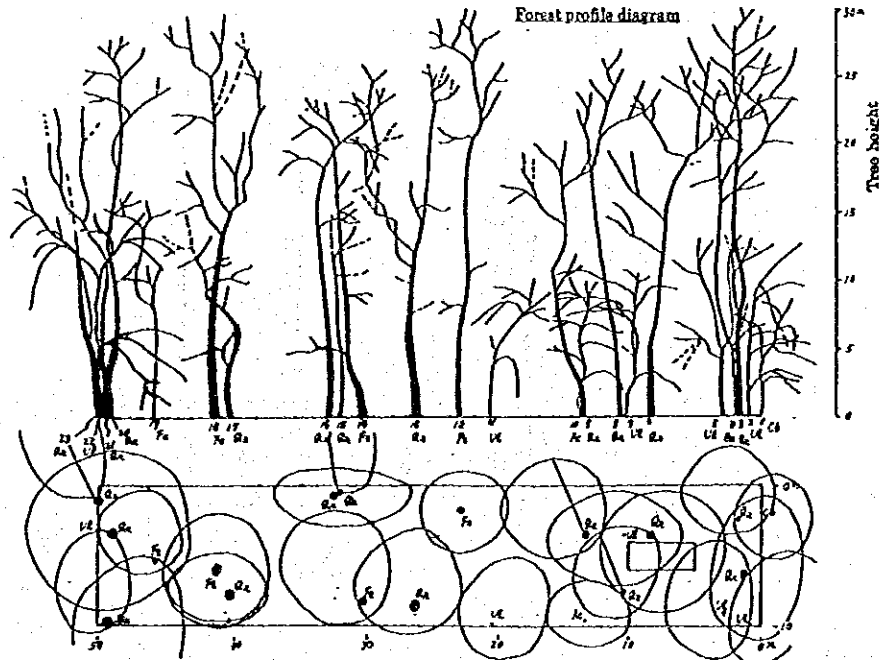
Note: Diameter of breast height (cm): 7-16



(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			
<i>Quercus robur</i> (Or)	12	52.2					2		1	1		1	1	1	1	1	1	2	1
<i>Fraxinus excelsior</i> (Fa)	4	17.4						1			1								2
<i>Ulmus laevis</i> (Ul)	5	21.7		1	1	2	1												
<i>Acer campestre</i> (Ac)	1	4.3			1														
<i>Carpinus betulus</i> (Cb)	1	4.3	1																
Total	23	100.0	1	2	1	2	3	1	1	1	1	1	1	1	1	1	1	2	3

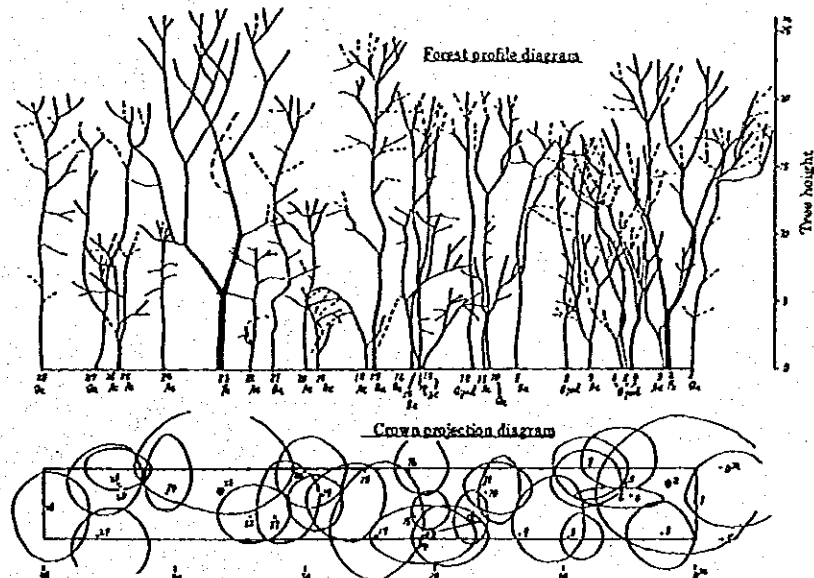
Note: Diameter of breast height (cm): 22-62



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

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			
<i>Quercus robur</i> (Or)	9	32.1												2	5	1	1		
<i>Q. pedunculiflora</i> (Qped)	5	17.9											1	3		1			
<i>Acer campestre</i> (Ac)	12	42.9	3	1	1	1	3	1	2										
<i>Fraxinus excelsior</i> (Fa)	2	7.1													1		1		
Total	28	100.0	3	1	1	1	3	1	2	1	3	2	6	1	1	1	1	1	1

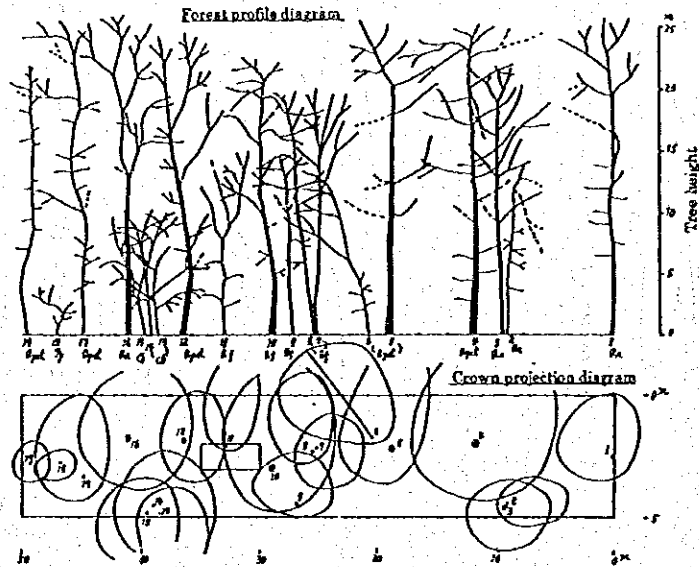
Note: Diameter of breast height (cm): 8-50



(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	16	20	22				23	25	28
<i>Quercus robur</i> (Qr)	4	21.1			1					1		2		88	120.7	21.8
<i>Quercus petraea</i> (Qp)	8	31.6		1					1		2	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	7.5	1.2
Total	19	100.0	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-5 Data of litter trap survey (July to October in 1998, Seaca-Optosani forest)

1. July		Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components	
Trap no.	Q.frainetto	Loranthus europaeus	Q.frainetto		Loranthus europaeus		Q.frainetto		Other components
			g	g	g	g	new(g)	old(g)	
1	2.0	0.7	7.2	0.6	3.9	-	5.0	-	2.6
2	1.3	0.2	3.5	-	2.4	-	3.7	-	1.3
3	2.7	0.2	21.2	0.5	2.4	0.5	4.4	-	2.0
4	0.8	0.1	2.2	-	3.7	-	3.6	-	4.3
5	5.5	0.2	9.6	-	1.3	0.8	4.8	-	3.8
6	3.2	-	12.4	-	2.5	2.2	5.4	-	5.0
7	6.2	0.2	11.8	-	1.8	-	3.6	-	2.4
8	3.1	-	28.4	-	-	-	5.3	-	3.8
9	3.2	0.1	2.2	-	0.8	-	3.1	-	5.1
10	2.7	0.4	11.0	-	3.7	0.4	6.0	-	3.8

3. September		Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components	
Trap no.	Q.frainetto	Loranthus europaeus	Q.frainetto		Loranthus europaeus		Q.frainetto		Other components
			g	g	g	g	new(g)	old(g)	
1	44.5	0.5	10.0	-	60.0	-	-	-	2.6
2	54.0	0.1	15.4	-	27.2	-	-	-	1.3
3	125.1	0.5	17.5	-	10.0	-	-	-	2.0
4	88.4	0.8	20.1	-	8.5	-	-	-	4.3
5	84.0	0.8	40.2	-	11.7	-	-	-	3.8
6	103.2	-	35.2	-	55.0	-	-	-	5.0
7	111.0	0.1	16.6	-	19.1	-	-	-	2.4
8	110.1	-	47.0	-	9.0	-	-	-	3.8
9	106.1	0.4	22.8	-	12.0	-	-	-	5.1
10	90.0	0.9	25.6	-	5.2	-	-	-	3.8

2. August		Leaves		Branches+Bark+Wood		Acorns (seeds)		Other components	
Trap no.	Q.frainetto	Loranthus europaeus	Q.frainetto		Loranthus europaeus		Q.frainetto		Other components
			g	g	g	g	new(g)	old(g)	
1	2.1	0.5	0.5	-	4.8	0.3	2.5	-	2.2
2	1.8	0.3	2.0	-	0.6	-	1.4	-	0.8
3	1.7	0.3	3.4	-	0.2	0.4	0.8	-	1.2
4	2.4	0.3	-	-	1.2	-	0.4	-	1.8
5	2.2	0.2	1.0	-	1.1	-	1.5	-	2.1
6	1.3	0.1	0.8	-	1.6	0.6	2.1	-	3.8
7	1.8	0.1	0.5	-	-	-	2.0	-	2.4
8	1.8	-	0.5	-	-	-	3.0	-	2.6
9	11.6	0.1	2.5	-	-	-	1.7	-	2.1
10	5.0	0.3	1.2	-	0.3	-	2.8	-	4.2

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

- Notes:
1. In July there has been a strong storm that broke the branches, leaves and "shattered" the trees. This explains the relatively large quantity of branches including the Loranthus europaeus which are very fragile.
 2. August has been very dry (hot and very quiet). That explains the low quantities registered for all the entities.
 3. 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 acorn's cups together with the dead insects, floral remainings, bud scales etc.
 4. 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: Hybrid of *Q.robur* and *Quercus frainetto*

P.p: *Pyrus pyraster*

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	2	1	2	1	1	1	
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	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	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	2	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	0	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	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	2	3	2	2	3	1	3	2	3	2	2	2	2	2	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	3	2	3	2	3	2	2	3	2	3	3	2	2
Density of branch & leaf	2	2	2	3	2	2	3	3	1	2	2	3	2	2	2	2	1	3	3	1
Leaf color	0	0	0	0	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	1
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	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	0
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	2	0	1	1	1	0	1	1	0	1
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	41	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	Fe	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	0.5	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	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf
Tree form	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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	1	4	1	0	1	1	3	1	1	2	1	2	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	0	0	0
Integrated evaluation	1.3	0.8	1.3	1.0	0.8	3.8	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	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	Pp	Qf	Qf	Qf	Qc	Qf	Qf	Qf	Qc	Qf	Qf	Qf	Qf	Qf	Qf				
Tree form	3	3	2	2	1	0	2	2	1	3	1	2	2	1	1	1				
Die back	4	4	1	2	1	0	2	2	1	3	0	1	1	1	1	1				
Defoliation ratio	4	4	2	2	1	1	1	2	1	3	1	2	2	1	1	2				
Density of branch & leaf	3	3	1	2	1	1	1	2	1	3	1	2	1	0	0	1				
Leaf color	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				
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				1.6

Appendix D-7(4) No.4 Bratovoesti UP IV, 76 (Craiova) Date: July 20 '98

Distance from edge(m)	0	16	19	22	33	36	36	38	40	44	44	48	48	51	56	60	62	63	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	Fe	Pp	Fe	Um	Fe	Fe	Fe	Fe	Fe	Fe	Fe	
Tree form	1	1	2	2	1	2	1	2	1	2	2	2	2	2	2	1	1	1	1	1	
Die back	1	1	2	1	1	2	1	1	0	0	1	0	1	3	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	
Density of branch & leaf	1	1	2	1	2	2	2	1	1	1	2	1	2	2	2	1	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	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	Qf	Qf	Qf	Ms	Ac	Qf	Qf	Ac	Qf	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	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	R16	214	R16	R16	R16	R16	R16	214	214	R16	214	R16	R16	R16	R16	R16	
Tree form	1	2	2	2	3	1	0	1	3	1	2	1	2	1	2	1	2	1	2	1	
Die back	0	0	1	1	3	0	0	1	3	1	2	1	2	0	1	1	2	1	0	1	
Defoliation ratio	1	2	2	2	3	1	0	2	3	2	2	1	2	1	2	1	2	2	1	2	
Density of branch & leaf	1	1	2	2	3	1	1	2	2	2	1	2	1	2	1	2	2	2	1	2	
Leaf color	0	0	1	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	0.8	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	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 Cosovent UP IV, 143 (Craiova) Date: July 20 '98

Distance from edge(m)	0	0	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	Qf	Qf	Qc	Qc	Qf	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	2
Defoliation ratio	1	3	3	1	2	2	1	3	3	2	1	3	2	2	2	2	2	2	2	2
Density of branch & leaf	1	2	3	1	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
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	1.5	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

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	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	
Tree form	2	1	1	3	2	3	1	2	2	3	3	3	2	1	3	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	3	2	4	2	
Density of branch & leaf	2	1	1	2	2	3	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	1	2	0	0	1	0	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	63	70	71	71	75	76	76	78	83	84	86	84	94	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	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	
Tree form	1	2	2	1	2	2	2	2	1	1	3	1	1	1	2	3	3	1	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	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	Of	Of	Of																		
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	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	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	
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	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	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	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	
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	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	
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	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	Of	
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	2	1	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	1	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	66	69	69	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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	
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	1	2	1	4	1	1	2	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	2	2	4	2	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	0	0	
Necrosis of leaf	0	1	0	0	0	0	0	0	0	1	0	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	85	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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	
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	0	0	
Necrosis of leaf	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	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	95	100	100	100														Total	
Tree number	121	122	123	124	125	126															
Crown projecting grade	+	+	+	+	+	+															
Tree species	Oc	Oc	Oc	Oc	Oc	Oc															
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	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	Oc	Oc	Oc	Oc	Pe	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	
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	1	
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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	
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	1	2	1	1	2	2	1	2	1	2	1	2	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	0	1	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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	
Tree form	2	1	1	1	2	2	1	2	2	2	3	1	2	3	2	2	2	2	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	2	1	2	2	3	2	2	3	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	0	
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	66	66	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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	
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	0	
Necrosis of leaf	0	0	0	1	0	0	1	0	1	0	1	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	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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc
Tree form	1	3	2	1	2	1	1	1	1	2	3	2	2	1	1	3	2	1	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	3
Density of branch & leaf	1	3	1	1	1	1	1	1	1	2	3	1	2	1	1	2	1	2	3	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	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc	Oc									
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	Rp	An	Or	An	An	An	Or	Or	Or	Or	Or	Or	An	Fe	Or	Or	Or	Or	Or	Or	
Tree form	2	1	2	2	3	2	2	2	1	2	2	1	1	3	3	1	2	2	1	3	
Die back	1	0	2	2	2	1	1	2	1	2	1	2	1	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	
Density of branch & leaf	1	1	2	1	3	1	2	2	2	2	2	2	1	2	1	2	1	2	2	2	
Leaf color	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	63	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	Or	Or	Or	An	An	An	Mn	An	Fe	Or	Fe	Or	An	Fe	Or	Or	Or	Or	Or	
Tree form	3	2	2	2	1	2	2	2	2	3	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	1	2	1	3	1	2	
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	1	0	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	Or	Or	Um	Mn	Um	Or	Or													
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	0													
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 Ostrovani 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	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	1	3	3	3	3	2	2	2	2	3	3	3	2	1	1	1	1	
Die back	1	1	1	1	2	3	3	3	1	2	2	2	3	3	3	2	1	1	1	1	
Defoliation ratio	0	1	1	1	3	3	3	3	2	2	2	2	3	3	3	2	1	1	1	1	
Density of branch & leaf	1	1	1	1	3	3	3	3	2	2	2	2	3	3	3	2	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	0	0	0	
Integrated evaluation	0.75	1	1	1	2.75	3	3	3	2	2	2	1.75	2	2	3	1.75	3	1	1	1	

Distance from edge(m)	24	28	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	2	2	2	2	2	2	2	2	3	3	2	2		
Die back	1	1	1	1	0	0	0	1	2	2	2	2	2	2	1	3	3	1	1	1	
Defoliation ratio	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2		
Density of branch & leaf	2	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		
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Integrated evaluation	1.75	1	1	1	0.75	0.75	0.75	1.75	2	2	2	2	2	2	1.75	3	3	1.75	1.75	1.75	

Appendix D-7(10)-2 No.10 Ostroveni UP II, 54c (Sadova)

Date: July 22 '98

Distance from edge(m)	53	53	57	57	57	62	62	66	66	70	70	74	74	74	74	79	79	79	79	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	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	
Tree form	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Die back	1	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	
Defoliation ratio	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Density of branch & leaf	2	2	2	2	2	2	2	2	2	2	2	2	2	2	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	0	
Necrosis of leaf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1.75	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Distance from edge(m)	83	83	83	87	87	87	91	91	91	95	95	95	99	99	99					Total
Tree number	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75					
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Tree species	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe	Pe					
Tree form	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Die back	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Defoliation ratio	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Density of branch & leaf	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Leaf color	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					
Integrated evaluation	2	2	2.25	2	2	2	1.75	2	2	2	2	2	2	2	2					1.7

Appendix D-7(11)-1 No.11 Melinesti UP I, 22 (Amaradia)

Date: July 22 '98

Distance from edge(m)	0	0	0	0	0	0	1	2	2	2	2	3	5	8	8	9	9	9	11	12	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	pet	Qf	pet	Qf	pet	pet	pet	Ac	Ac	pet	pet	pet	pet	pet	pet	pet	pet	pet	pet	Qf	
Tree form	1	2	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3	3	3	3	
Die back	1	1	3	3	1	2	2	3	1	2	2	3	3	3	2	2	1	3	2	3	
Defoliation ratio	1	2	2	3	1	1	2	2	2	2	2	2	3	3	3	2	2	2	2	3	
Density of branch & leaf	1	1	2	3	1	1	2	2	1	2	1	3	3	3	2	2	1	3	3	3	
Leaf color	0	0	0	0	0	0	1	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	2	2	0	1	
Integrated evaluation	1	1.5	2.5	3	1.5	1.25	2	2.5	1.25	2	1.75	3	3	3	2	2.25	1.75	2.75	2.75	3	

Distance from edge(m)	12	13	14	16	16	16	18	22	23	24	25	25	27	28	28	29	30	32	32	32	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	pet	pet	pet	Qf	Qf	pet	pet	pet	pet	pet	pet	pet	pet	Ac	pet	pet	pet	pet	pet	pet	
Tree form	3	3	2	3	2	2	3	4	3	2	3	2	2	3	3	3	3	2	3	2	
Die back	3	3	2	2	1	1	3	4	2	2	3	2	2	3	3	3	3	2	3	2	
Defoliation ratio	3	3	2	2	1	2	2	4	4	2	3	2	2	3	3	3	3	2	3	2	
Density of branch & leaf	3	3	2	2	1	2	2	4	3	2	3	2	2	3	3	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	1	0	0	0	0	1	2	2	1	1	0	0	0	0	1	0	1	
Integrated evaluation	3	3	2	2.25	1.25	1.75	2.5	4	3	2	3	2	2	3	3	3	3	2	2.75	2	

Distance from edge(m)	32	34	37	35	40	41	41	46	46	46	47	51	52	52	52	55	57	57	59	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	pet	pet	Qf	Qf	pet	pet	Qf	pet	pet	pet	pet	Qc	pet	pet	pet	pet	pet	pet	pet	pet	
Tree form	3	2	2	1	2	3	4	2	3	4	2	1	3	4	1	4	1	2	3	3	
Die back	2	2	1	1	1	2	4	2	2	4	2	1	3	4	1	4	1	2	3	3	
Defoliation ratio	3	3	1	1	2	2	4	2	3	4	2	1	3	4	1	4	1	2	3	3	
Density of branch & leaf	2	3	1	1	2	2	4	2	3	4	2	1	3	4	2	4	1	2	3	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	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	2	
Integrated evaluation	2.5	2.5	1.25	1	1.75	2.25	4	2	2.75	4	2	1	3	4	1.25	4	1	2	3	3	

Distance from edge(m)	62	63	64	64	65	67	71	72	72	73	74	77	77	78	78	78	78	79	80	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	Qf	pet	Qf	Qf	pet	Qf	pet	Qf	pet	pet	pet	Qc	Qf	Qf	Qf	Qf	Qf	Qf	Qf	pet	
Tree form	3	3	2	1	1	3	2	2	3	1	1	4	2	3	2	1	3	1	2	3	
Die back	3	3	2	1	1	3	2	1	2	1	1	4	2	2	1	1	3	1	1	2	
Defoliation ratio	3	3	2	1	1	3	2	2	2	2	1	4	2	3	2	1	3	2	2	3	
Density of branch & leaf	3	3	2	1	1	3	2	2	2	2	1	4	2	3	2	2	3	2	1	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	0	0	0	0	1	
Integrated evaluation	3	3	2	1	1	3	2	1.75	2.25	1.5	1	4	2	2.75	1.75	1.25	3	1.5	1.5	2.75	

Distance from edge(m)	81	83	83	84	85	85	86	86	86	90	91	92	92	92	92	94	96	97	98	98	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	Qf	Qf	Qf	pet	Qf	Qf	Qf	Qf	Qf	pet	pet	pet	pet	pet	pet	Qf	Qf	Qf	pet	pet	
Tree form	2	3	1	3	1	1	2	2	1	3	2	3	2	3	3	4	2	3	3	3	
Die back	1	2	1	3	1	1	1	2	1	3	2	3	2	1	3	3	4	1	2	3	
Defoliation ratio	2	3	1	3	2	1	2	2	1	3	2	3	3	1	3	3	4	2	3	3	
Density of branch & leaf	2	3	13	3	2	1	2	2	1	3	2	3	3	2	3	3	4	2	3	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1.75	2.75	4	3	1.5	1	1.75	2	1	3	2	3	2.75	1.5	3	3	4	1.75	2.75	3	

Appendix D-7(13)-2 No.13 Verbičočara UP I, 64 (Perisor)

Date: July 23 '98

Distance from edge(m)	52	55	58	58	65	70	71	73	74	78	82	82	89	89	91	95	95					Total
Tree number	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37					
Crown projecting grade	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+					
Tree species	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf					
Tree form	3	2	3	1	3	2	1	2	3	1	3	3	1	2	3	3	3					
Die back	2	2	3	2	3	2	1	2	3	1	3	3	1	2	3	3	3					
Defoliation ratio	3	2	3	2	3	3	2	2	3	2	3	3	2	3	3	3	3					
Density of branch & leaf	3	2	3	2	3	3	1	2	3	2	3	3	2	3	3	3	3					
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	1	0	0	2	1	0	0	0	0	0	1	0	2	2					
Integrated evaluation	2.75	2	3	1.75	3	2.5	1.25	2	3	1.5	3	3	1.5	2.5	3	3	3					2.3

Appendix D-7(14) No.14 Verbičočara UP I, 62A (Perisor)

Date: July 23 '98

Distance from edge(m)	0	0	1	2	5	7	11	13	13	15	18	20	23	23	24	24	27	35	36	42	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	Qf	Qf	Qf	Qc	Qc	Qc	Qc	Qf	Qf	Qf	Qc	Qc
Tree form	1	2	3	1	1	2	3	1	1	3	4	3	2	1	1	2	3	3	3	1	
Die back	1	2	3	2	1	1	1	2	2	3	4	3	2	2	1	1	3	3	3	1	
Defoliation ratio	1	1	3	2	1	1	3	2	2	3	4	3	2	2	1	1	2	3	3	2	
Density of branch & leaf	1	2	3	2	1	1	3	2	2	3	4	3	2	1	1	2	3	3	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	0	0	0	0	0	0	0	0	0	0	
Integrated evaluation	1	1.75	3	1.75	1	1.25	2.5	1.75	1.75	3	4	3	2	1.5	1	1.5	2.75	3	3	1.5	

Distance from edge(m)	43	43	46	48	49	62	62	62	64	64	67	68	71	72	76	78	79	81	85	87	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	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qc
Tree form	3	3	1	2	3	1	1	2	2	1	3	2	2	2	1	3	1	2	1	1	
Die back	3	3	1	1	3	1	1	1	1	1	3	1	1	1	1	3	1	1	1	1	
Defoliation ratio	3	3	1	1	3	1	1	2	1	1	3	1	3	2	2	3	2	2	1	1	
Density of branch & leaf	3	3	1	1	3	1	1	2	2	1	3	2	2	2	2	3	2	2	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	1	0	1	0	0	
Integrated evaluation	3	3	1	1.25	3	1	1	1.75	1.5	1	3	1.5	2	2	1.5	3	1.5	1.75	1	1	

Distance from edge(m)	90	93	94	100	100	100															Total
Tree number	41	42	43	44	45	46															
Crown projecting grade	-	+	+	-	+	+															
Tree species	Qf	Qc	Qc	Qf	Qc	Qc															
Tree form	3	2	3	3	2	2															
Die back	3	1	3	3	2	1															
Defoliation ratio	3	1	3	2	2	1															
Density of branch & leaf	3	2	3	3	2	1															
Leaf color	0	0	1	0	0	0															
Necrosis of leaf	0	0	2	0	0	0															
Integrated evaluation	3	1.5	3	2.75	2	1.25															1.93

Appendix D-7(15)-1 No.15 Voinesa UP I, 15 (Bals)

Date: July 24 '98

Distance from edge(m)	1	2	3	3	10	13	17	19	23	25	25	27	29	29	33	35	35	37	39	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	Qc	Qf	Qf	Qf	Qf	Qf	Qf
Tree form	2	2	3	2	2	3	2	2	3	2	3	3	2	1	2	2	2	2	2	2
Die back	1	1	3	1	2	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1
Defoliation ratio	2	2	3	2	3	2	2	2	3	2	2	3	2	1	2	2	2	2	2	2
Density of branch & leaf	1	2	3	2	2	2	2	2	3	2	3	3	2	1	2	2	2	2	2	2
Leaf color	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	2
Necrosis of leaf	2	2	3	2	3	3	2	1	1	2	2	2	1	1	1	2	1	2	1	2
Integrated evaluation	1.5	1.75	3	1.75	2.25	2	1.75	2	3	2	2.5	2.5	1.75	1	1.75	1.75	1.75	1.75	2	1.75

Distance from edge(m)	40	42	43	45	48	48	48	51	52	52	54	55	55	57	58	59	62	64	65	65	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	Qf
Tree form	1	2	3	3	3	2	2	2	2	4	2	4	2	4	2	3	2	2	3	3	
Die back	2	1	2	2	1	2	1	2	2	2	4	2	4	2	4	2	2	2	2	3	
Defoliation ratio	2	2	3	3	3	2	3	3	2	3	4	3	4	3	3	2	3	3	3	3	
Density of branch & leaf	2	1	3	3	3	2	2	2	2	4	3	4	2	3	2	3	2	2	3	3	
Leaf color	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	
Necrosis of leaf	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Integrated evaluation	1.75	1.5	2.75	2.75	2.5	2	2	2.25	2	2.25	4	2.5	4	2.25	3	2	2.25	2.75	3	3	

Distance from edge(m)	65	66	67	68	69	70	71	73	75	76	76	77	79	81	83	83	84	86	87	89	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	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf	Qf
Tree form	3	3	3	2	3	2	3	3	3	2	3	2	1	1	2	3	2	2	3	3	
Die back	1	1	1	2	3	1	3	1	1	1	3	2	1	1	1	1	1	1	1	2	
Defoliation ratio	3	3	3	2	3	2	3	3	2	3	3	2	2	2	2	2	2	2	3	3	
Density of branch & leaf	2	3	3	2	3	2	3	2	3	2	3	2	2	2	2	2	2	2	2	3	
Leaf color	1	2	2	2	2	1	1	2	1	1	2	1	2	1	1	2	1	2	1	2	
Necrosis of leaf	1	2	2	2	2	1	2	2	1	2	2	1	1	2	2	1	1	1	1	1	
Integrated evaluation	2.25	2.5	2.5	2	3	1.75	3	2.25	2.25	2	3	2	1.5	1.5	1.75	2	1.75	1.75	2.75	2.75	

Appendix D-7(15)-2 No.15 Voicesa 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	Qc	Qc	Qc	Qc	Qc	Qc	Qc	Qf	Fo	
Tree form	3	2	1	4	4	1	3	3	4	2	4	1	1	1	1	2	4	3	2	1	
Die back	3	0	2	4	4	2	2	2	4	1	4	1	1	1	1	4	3	2	1		
Defoliation ratio	3	2	1	4	4	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	3	4	2	4	1	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	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	Fo	Qf	Qf	
Tree form	4	0	3	4	4	4	4	4	2	3	3	3	3	3	4	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	
Defoliation ratio	4	1	3	4	4	4	4	2	2	3	3	3	3	3	4	3	3	2	4	
Density of branch & leaf	4	1	3	4	4	4	4	2	2	3	2	3	3	3	4	3	3	2	4	
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	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	38	38	38	39	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	Fo	Qf	Qf	Qf	Qf	Qf	Qf	
Tree form	2	2	3	3	4	2	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	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	
Density of branch & leaf	2	3	3	3	4	2	4	4	4	4	4	4	4	2	4	4	4	2	3	
Leaf color	1	1	2	1	-	2	-	-	-	-	-	-	-	-	-	-	-	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	1.5	4	4	4	2	2.75	3	

Distance from edge(m)	42	42	42	43	44	45	48	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	Fo	Qf	Fo	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	Qc	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	2	1	2	1	0	2	2	1	1	2	1	
Defoliation ratio	2	2	2	2	2	2	3	2	2	2	3	2	2	3	3	2	2	2	3	2	
Density of branch & leaf	2	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	
Leaf color	1	1	1	2	1	1	1	1	1	1	1	0	0	2	1	1	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	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	Qc	Qf	Qc	Qf	Qf	
Tree form	1	2	2	2	1	3	3	3	1	1	1	2	2	2	1	3	2	2	2	
Die back	1	1	1	1	0	2	3	2	1	2	1	1	1	1	1	1	2	1	1	
Defoliation ratio	2	2	2	3	2	3	3	3	2	3	2	2	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	3	2	3	2	2	
Leaf color	1	1	0	1	1	1	1	1	0	0	1	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	
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	1.5	2.75	1.5	1.75	1.75	

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	2	1	
Die back	1	1	4	4	1	1	2	1	1	2	2	1	2	2	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	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	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	>25-50	>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.

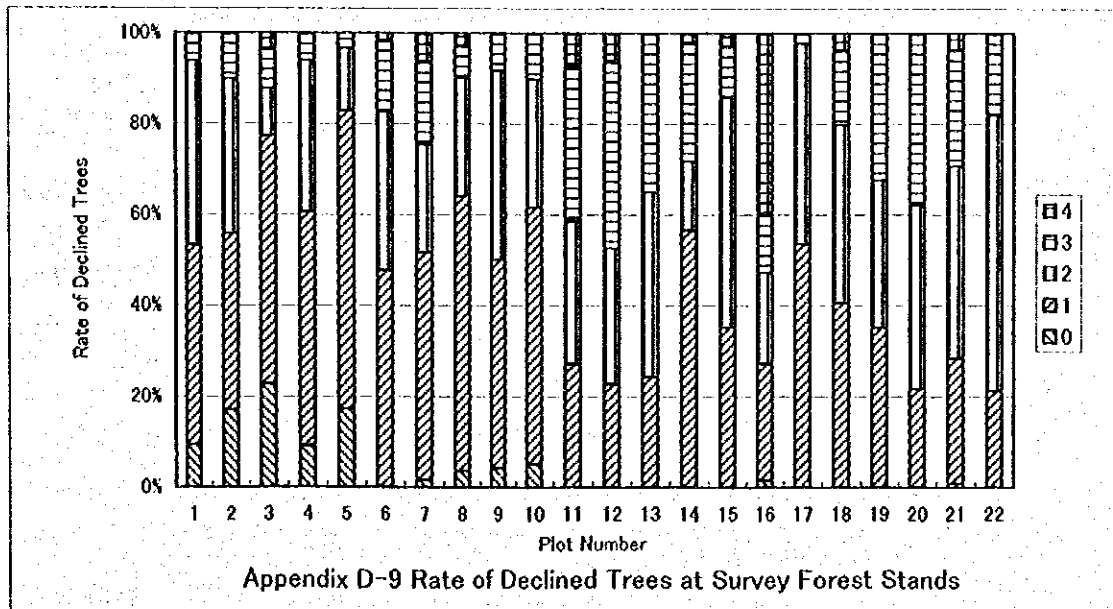
The survey items and evaluation criteria of the forest decline survey are shown in the table above. The relation between decline grade and damage degree is:

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	3	14	13	2	0	32
				Rate of declined trees(%)	9.4	43.8	40.6	6.3	0.0	100.0
2	Craiova	UP I, 65B	Criva	Number of tree	10	37	20	6	0	73
				Rate of declined trees(%)	13.7	31.0	27.4	8.2	0.0	100.0
3	Craiova	UP III, 90	Seaca de Padure	Number of tree	13	31	6	5	2	57
				Rate of declined trees(%)	22.8	54.4	10.5	8.8	3.5	100.0
4	Craiova	UP IV, 76	Bratovocsti	Number of tree	3	17	11	2	0	33
				Rate of declined trees(%)	9.1	51.5	33.3	6.1	0.0	100.0
5	Craiova	UP IV, 19	Secui	Number of tree	5	19	4	1	0	29
				Rate of declined trees(%)	17.2	65.5	13.8	3.4	0.0	100.0
6	Craiova	UP IV, 143	Cosoveni	Number of tree	0	30	22	10	1	63
				Rate of declined trees(%)	0.0	47.6	34.9	15.9	1.6	100.0
7	Segarcea	UP IV, 17	Panaghia	Number of tree	2	63	30	23	8	126
				Rate of declined trees(%)	1.6	50.0	23.8	18.3	6.3	100.0
8	Segarcea	UP V, 17	Calopar	Number of tree	4	67	29	8	3	111
				Rate of declined trees(%)	3.6	60.4	26.1	7.2	2.7	100.0
9	Segarcea	UP III, 72	Radovan	Number of tree	2	22	20	4	0	48
				Rate of declined trees(%)	4.2	45.8	41.7	8.3	0.0	100.0
10	Sadova	UP II, 54C	Ostroveni	Number of tree	2	22	11	4	0	39
				Rate of declined trees(%)	5.1	56.4	28.2	10.3	0.0	100.0
11	Amardia	UP I, 22	Melinesti	Number of tree	0	32	37	40	9	105
				Rate of declined trees(%)	0.0	30.5	35.2	38.1	8.6	100.0
12	Perisor	UP III, 54	Perisor	Number of tree	0	22	29	40	6	97
				Rate of declined trees(%)	0.0	22.7	29.9	41.2	6.2	100.0
13	Perisor	UP I, 64	Verbicioara	Number of tree	0	9	15	13	0	37
				Rate of declined trees(%)	0.0	24.3	40.5	35.1	0.0	100.0
14	Perisor	UP I, 62A	Verbicioara	Number of tree	0	26	7	12	1	46
				Rate of declined trees(%)	0.0	56.5	15.2	26.1	2.2	100.0
15	Bals	UP I, 15	Voinesa	Number of tree	0	25	36	8	2	71
				Rate of declined trees(%)	0.0	35.2	50.7	11.3	2.8	100.0
16	Bals	UP V, 145	Mirila	Number of tree	1	18	14	9	28	70
				Rate of declined trees(%)	1.4	25.7	20.0	12.9	40.0	100.0
17	Bals	UP V, 79	Bobicesti	Number of tree	0	23	19	1	0	43
				Rate of declined trees(%)	0.0	53.5	44.2	2.3	0.0	100.0
18	Caracal	UP I, 38A	Vladila	Number of tree	0	32	31	13	3	79
				Rate of declined trees(%)	0.0	40.5	39.2	16.5	3.8	100.0
19	Caracal	UP III, 49A	Resca	Number of tree	0	13	12	12	0	37
				Rate of declined trees(%)	0.0	35.1	32.4	32.4	0.0	100.0
20	Vulturesti	UP III, 23	Topana	Number of tree	0	8	15	14	0	37
				Rate of declined trees(%)	0.0	21.6	40.5	37.8	0.0	100.0
21	Slatina	UP VI, 175B	Scornicesti	Number of tree	1	30	46	28	4	109
				Rate of declined trees(%)	0.9	27.5	42.2	25.7	3.7	100.0
22	Slatina	UP V, 32K	Seaca Optasani	Number of tree	0	7	20	6	0	33
				Rate of declined trees(%)	0.0	21.2	60.6	18.2	0.0	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	Scaca	<i>Q.frainetto</i>	1.1
	4	Scaca	<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, va.	Forest Name	Decline Grade					Total	Degree of Damage
				0	1	2	3	4		
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	Brtovoesti	8	8	7	0	0	23	W
				34.8	34.8	30.4	0.0	0.0	100.0	
6	Craiova	UP IV, 66C	Brtovoesti	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)

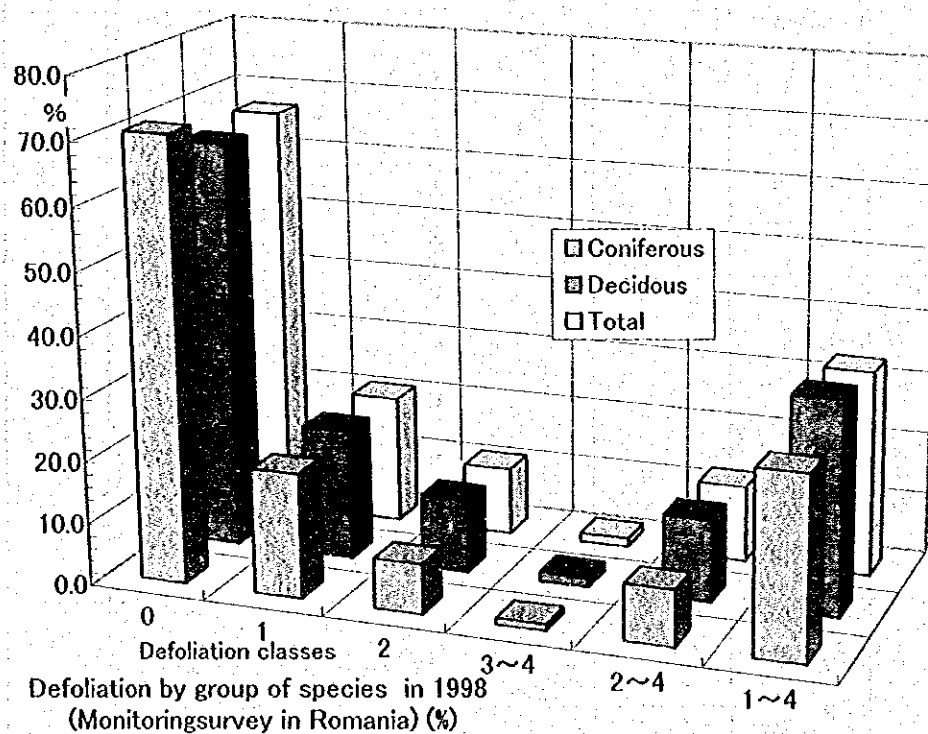
(Rate of declining more than two)

(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



County	Forest Range	UP Name	UP	Compartment	Stand Age	Plot Area	Number of trees surveyed 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	Damage Grade	Result of Interpretation Aerial Photograph (Damage Grade)	Result of Interpretation Aerial Photograph (Value)	Result of Interpretation Aerial Photograph (Value)	Average value by value by (absolute value)					
												Grade 1	Grade 2	Grade 3												
Dolj	Chiova	I	Chiova	81B	82	0.04ha	14	350	0.1	71%	0.6	20%	9m	21.4%	50.0%	28.5%	79%	50%	S	FAM	2	M	45	5	31	
Dolj	Chiova	I	Chiova	92B	471	0.04ha	24	600	0.1	50%	0.6	50%	10m	62.5%	29.2%	8.3%	34%	55%	W	CMAM	2	M	45	10	11	
Dolj	Chiova	I	Chiova	116B	571	0.04ha	13	325	0.1	100%	0.6	100%	13m	30.8%	46.2%	23.1%	69%	35%	S	FAS	1	S	39	0	0	
Dolj	Chiova	II	Bucovet	41A	421	0.04ha	42	1050	0.6	67%	0.1	19%	14m	71.4%	21.4%	4.8%	29%	65%	W	FAM	3	W	55	10	3	
Dolj	Chiova	II	Bucovet	43	471	0.04ha	26	650	0.6	58%	0.1	42%	12m	69.2%	23.1%	7.7%	31%	68%	W	FAM	3	W	55	5	1	
Dolj	Chiova	II	Bucovet	44A	471	0.04ha	23	575	0.2	74%	0.1	26%	14m	60.9%	23.1%	3.9%	39%	55%	W	OMAW	3	W	55	5	7	
Dolj	Chiova	II	Bucovet	92A	521	0.04ha	49	1225	0.6	100%	0.6	100%	12m	31.0%	44.9%	4.1%	49%	64%	M	CMAM	2	M	45	15	1	
Dolj	Chiova	III	Seaca	48A	971	0.04ha	31	775	0.1	100%	0.6	100%	15m	34.7%	41.9%	9.7%	61%	35%	S	FAS	1	S	39	0	8	
Dolj	Chiova	III	Seaca	52C	621	0.04ha	28	700	0.1	100%	0.6	100%	17m	50.0%	32.8%	3.6%	50%	50%	M	FAM	2	M	45	5	2	
Dolj	Chiova	III	Seaca	89A	571	0.04ha	19	475	0.6	85%	0.1	15%	15m	47.4%	31.6%	5.3%	15.8%	53%	M	FAM	2	M	45	5	5	
Dolj	Chiova	III	Seaca	110D	621	0.04ha	27	675	0.6	85%	0.1	15%	15m	41.5%	14.8%	3.7%	19%	65%	W	CMAM	3	W	55	10	14	
Dolj	Chiova	III	Seaca	119C	671	0.04ha	15	450	0.1	100%	0.6	100%	16m	40.0%	20.0%	18.0%	80%	45%	M	FAM	2	M	45	5	8	
Dolj	Filiasi	II	Argetoua	53D	911	0.04ha	24	600	0.1	87%	0.6	21%	16m	29.2%	33.3%	12.5%	25.0%	71%	35%	S	FAM	3	W	55	5	26
Dolj	Filiasi	II	Argetoua	59C	611	0.04ha	18	450	0.6	100%	0.6	100%	17m	66.7%	27.8%	6.6%	34%	65%	W	CAW	3	W	55	10	2	
Dolj	Filiasi	II	Argetoua	72A	811	0.04ha	18	450	0.6	100%	0.6	100%	17m	11.1%	41%	41%	41%	58%	M	FAM	2	M	45	5	9	
Dolj	Filiasi	II	Argetoua	72C	811	0.04ha	27	675	0.1	74%	0.6	26%	17m	39.2%	25.9%	3.7%	34%	60%	M	FAM	2	M	45	5	13	
Dolj	Filiasi	II	Argetoua	73C	811	0.04ha	20	500	0.1	90%	0.6	10%	18m	55.0%	35.0%	10.0%	45%	60%	M	FAM	2	M	45	5	6	
Dolj	Filiasi	III	Filiasi	56D	711	0.04ha	12	300	0.1	31%	0.6	67%	19m	34.3%	41.6%	10.0%	42%	45%	M	OMAM	2	M	45	5	5	
Dolj	Filiasi	III	Filiasi	58C	711	0.04ha	14	350	0.1	79%	0.6	21%	17m	37.1%	42.9%	10.0%	43%	50%	M	PMAM	2	M	45	5	5	
Dolj	Filiasi	III	Filiasi	92B	511	0.04ha	18	450	0.1	100%	0.6	100%	11m	61.1%	33.3%	5.6%	39%	45%	W	FAM	2	M	45	15	2	
Dolj	Filiasi	III	Filiasi	105G	261	0.04ha	48	1200	0.1	25%	0.6	75%	10m	66.7%	33.3%	8.8%	33%	69%	W	OMDM	2	M	45	15	15	
Dolj	Filiasi	III	Filiasi	105A	271	0.04ha	34	850	0.1	26%	0.6	24%	9m	67.0%	23.5%	8.8%	32%	65%	W	OMDM	2	M	45	10	0	
Dolj	Filiasi	III	Filiasi	143A	611	0.04ha	45	1125	0.1	78%	0.6	9%	12m	6.7%	32%	6.7%	32%	65%	W	OMDM	2	M	45	10	0	
Dolj	Filiasi	III	Filiasi	195B	461	0.04ha	29	725	0.1	90%	0.6	10%	13m	58.6%	31.6%	6.9%	41%	55%	W	FAM	2	M	45	10	7	
Dolj	Perisor	I	Verbioara	64A	701	0.04ha	26	650	0.1	73%	0.6	27%	14m	69.3%	23.0%	7.7%	31%	55%	W	PMAM	2	M	45	10	1	
Dolj	Perisor	I	Verbioara	67A	651	0.04ha	19	475	0.1	100%	0.6	100%	14m	47.4%	42.1%	10.5%	43%	50%	M	FAM	2	M	45	5	5	
Dolj	Perisor	I	Verbioara	71A	601	0.04ha	23	575	0.1	22%	0.6	78%	15m	56.5%	39.1%	4.3%	43%	50%	M	CMAM	2	M	45	10	5	
Dolj	Perisor	I	Verbioara	90B	401	0.04ha	44	1100	0.1	82%	0.6	25%	16m	65.7%	25.0%	4.2%	33%	60%	W	CAW	3	W	55	15	7	
Dolj	Perisor	I	Verbioara	99A	401	0.04ha	48	1200	0.1	75%	0.6	25%	14m	65.7%	25.0%	4.2%	33%	60%	W	CAW	3	W	55	10	1	
Dolj	Perisor	I	Verbioara	100C	351	0.04ha	55	1375	0.1	100%	0.6	100%	12m	50.0%	24.6%	21.4%	50%	35%	M	CMAM	2	M	45	5	17	
Dolj	Perisor	I	Verbioara	111A	951	0.04ha	14	350	0.1	37%	0.6	45%	21m	50.0%	24.6%	21.4%	50%	35%	M	CMAM	2	M	45	10	2	
Dolj	Perisor	III	Timava	81A	451	0.04ha	63	1575	0.1	90%	0.6	10%	12m	55.5%	39.7%	4.8%	45%	60%	M	CMAM	2	M	45	15	4	
Dolj	Perisor	III	Timava	82A	451	0.04ha	36	900	0.1	11%	0.6	89%	14m	63.9%	30.2%	2.8%	24%	70%	W	CMAM	3	W	55	15	1	
Dolj	Perisor	III	Timava	83A	501	0.04ha	39	975	0.1	33%	0.6	67%	14m	69.2%	23.1%	5.2%	2.6%	70%	W	CMAM	3	W	55	15	4	
Dolj	Perisor	III	Timava	85A	501	0.04ha	43	1075	0.1	40%	0.6	60%	14m	55.8%	25.8%	18.6%	44%	65%	M	CMAM	3	W	55	15	1	
Dolj	Perisor	III	Timava	89A	501	0.04ha	34	850	0.1	100%	0.6	100%	10m	44.1%	29.4%	2.9%	23.5%	26%	M	FAM	2	M	45	10	8	
Dolj	Perisor	III	Timava	96A	501	0.04ha	63	1575	0.1	36%	0.6	62%	12m	58.8%	31.7%	1.6%	7.9%	41%	M	CMAM	2	M	45	10	7	
Dolj	Perisor	IV	Finetele	24F	651	0.04ha	46	1150	0.1	49%	0.6	41%	10m	65.2%	24.2%	2.2%	4.3%	50%	W	CMAM	3	W	55	5	3	
Dolj	Perisor	IV	Finetele	26A	651	0.04ha	26	650	0.1	77%	0.6	25%	15m	23.1%	42.9%	30.7%	3.8%	77%	40%	S	PMAM	2	M	45	5	20
Dolj	Perisor	IV	Finetele	26A	651	0.04ha	15	375	0.1	27%	0.6	75%	19m	73.3%	26.6%	26.6%	27%	40%	W	CMAM	3	W	55	15	5	
Dolj	Perisor	IV	Finetele	31B	501	0.04ha	19	475	0.1	79%	0.6	21%	14m	47.4%	52.6%	18.6%	53%	40%	M	FAM	2	M	45	5	5	
Dolj	Perisor	IV	Finetele	34B	651	0.04ha	21	525	0.1	100%	0.6	100%	14m	57.1%	28.6%	14.3%	43%	40%	M	CMAM	3	W	55	10	11	
Dolj	Polana Mare	I	Polana Mare	63D	231	0.04ha	27	675	Rp	100%	0.6	100%	15m	59.3%	33.3%	7.4%	41%	55%	M	B2S	1	S	39	15	24	
Dolj	Sadova	III	Lunca Jului	90A	201	0.04ha	25	625	Rp	100%	0.6	100%	12m	48.0%	16.0%	16.0%	8.0%	52%	50%	M	B2M	2	M	45	5	4
Dolj	Sadova	III	Lunca Jului	90C	201	0.04ha	34	850	Rp	100%	0.6	100%	12m	47.1%	34.2%	11.8%	2.9%	53%	50%	M	B2M	2	M	45	5	5
Dolj	Segreza	IV	Panaghia	52A	321	0.04ha	72	1800	O	100%	0.6	100%	12m	50.0%	44.6%	5.6%	50%	45%	M	B2M	2	M	45	5	2	

County	Forest Range	UP	UP Name	Compartment	Stand Age	Plot Area	Number of Survived tree	Number of Tree per ha	Rate of Tree Species	Average Tree height	Average DBH	Average Crown Diameter	Decline Grade				Rate of Decline Grade more than 2	Result of Interpretation Aerial Photograph (Damage Grade)	Result of Interpretation Aerial Photograph (Crown Density)	Result of Interpretation Aerial Photograph (Damage Grade)	Result of Interpretation Aerial Photograph (Crown Density)	Result of Interpretation Aerial Photograph (Damage Grade)	Result of Interpretation Aerial Photograph (Crown Density)	*** Average value by (absolute damage grade value)
													Grade 1	Grade 2	Grade 3	Grade 4								
Doji	Segareca	IV	Paughita	52B	42	0.04ha	36	900	Q: 100%	15m	16cm	5m	44.4%	44.4%	11.1%	56%	R4M	2	M	45	5	13		
Doji	Segareca	IV	Paughita	54	42	0.04ha	29	575	Q: 91% OT: 9%	16m	18cm	5m	39.1%	43.5%	13.0%	61%	OM4M	2	M	45	5	13		
Doji	Segareca	IV	Paughita	55E	37	0.04ha	20	500	Q: 64% OT: 40%	11m	16cm	4m	20.0%	35.0%	15.0%	80%	OT4S	1	S	39	5	11		
Doji	Segareca	IV	Paughita	59C	37	0.04ha	18	450	Q: 61% Q: 39%	17m	21cm	6m	66.6%	16.7%	16.7%	33%	RM4M	2	M	45	5	15		
Doji	Segareca	V	Delga	15A	52	0.04ha	42	1050	Q: 100%	14m	17cm	4m	61.9%	19.0%	11.9%	34%	RM4W	3	W	55	5	6		
Doji	Segareca	V	Delga	33A	27	0.04ha	36	900	Q: 69% Q: 31%	15m	18cm	5m	72.2%	25.0%	2.8%	28%	F4W	3	W	55	5	4		
Doji	Segareca	V	Delga	42B	27	0.04ha	72	1800	Q: 45% Q: 55%	7m	12cm	2m	61.1%	38.9%	-	39%	F3M	2	M	45	10	9		
Doji	Segareca	V	Delga	45C	47	0.04ha	124	3100	Q: 100%	6m	9cm	2m	66.7%	27.8%	5.6%	33%	F4M	2	M	45	15	15		
Doji	Segareca	V	Delga	67D	62	0.04ha	33	825	Q: 46% Q: 54%	13m	16cm	4m	66.7%	27.8%	6.1%	33%	FMAW	3	W	55	-	1		
Doji	Ananidia	III	Baloua	78B	65	0.02ha	27	1350	Q: 37% Q: 63%	15m	18cm	5m	48.1%	22.2%	22.2%	52%	H	3	M	55	-	20		
Doji	Ananidia	III	Baloua	82D	50	0.04ha	108	2700	Q: 67% Q: 32%	10m	13cm	5m	25.0%	20.4%	13.0%	74%	H	4	S	70	-	43		
Doji	Ananidia	III	Baloua	92F	35	0.04ha	129	3225	Q: 67% Q: 32%	10m	11cm	4m	37.4%	20.2%	11.6%	10.9%	H	4	M	80	-	11		
Doji	Apole VII	I	Madonna	56G	38	0.16ha	68	425	R: 100%	15m	23cm	5m	1.5%	10.3%	26.5%	61.8%	B4W	3	W	55	-	67		
Doji	Apole VII	I	Madonna	81B	24	0.04ha	41	1025	R: 100%	13m	15cm	4m	7.3%	29.3%	19.3%	43.9%	B4W	3	W	55	-	61		
Doji	Perisor	III	Timava	51L	55	0.09ha	67	744	Q: 23% Q: 75%	11m	16cm	4m	20.9%	47.8%	4.5%	26.9%	CM4M	2	M	45	-	31		
Doji	Perisor	III	Timava	60A	55	0.09ha	120	1333	Q: 25% Q: 73%	11m	14cm	3m	22.5%	14.1%	12.5%	50.9%	CM4M	2	M	45	-	30		
Doji	Perisor	III	Timava	68B	55	0.09ha	105	1167	Q: 74% Q: 26%	11m	16cm	3m	42.9%	14.9%	8.6%	34.3%	CM4M	2	M	45	-	9		
Doji	Perisor	IV	Fintacle	46B	55	0.09ha	42	467	Q: 34% Q: 60%	15m	20cm	3m	26.2%	33.3%	16.7%	23.8%	FM4W	3	W	55	-	42		
Doji	Perisor	IV	Fintacle	115B	65	0.09ha	62	689	Q: 3% Q: 97%	12m	17cm	3m	4.9%	35.5%	24.2%	35.5%	H	1	S	20	-	26		
Doji	Perisor	IV	Fintacle	201A	40	0.09ha	33	367	R: 100%	11m	16cm	4m	3.0%	9.1%	17.9%	47.9%	H	1	S	10	-	24		
Oit	Bals	V	Bisrita	136H	53	0.01ha	15	1500	Q: 60% OT: 40%	14m	31cm	6m	60.0%	6.7%	6.7%	26.6%	OM4S	1	S	39	-	29		
Oit	Shatina	IV	Oprelu	16A	87	0.04ha	15	375	Q: 100%	13m	25cm	3m	6.7%	40.0%	26.7%	26.7%	F4M	2	M	45	-	45		
Oit	Shatina	IV	Oprelu	18A	87	0.04ha	20	500	Q: 100%	12m	19cm	3m	25.0%	20.0%	55.0%	100%	F4M	2	M	45	-	52		

Remarks

A.c: *Acer campense*, A.t: *Acer tataricum* L., A.p: *Acer pseudoplatanus* L., F.c: *Fraxinus excelsior* L., P.p: *Pirus piraster*, Q.c: *Quercus cerris*, Q.t: *Quercus faginea*, Q.p: *Quercus pedunculiflora*, Q.p: *Quercus petraea*, Q.t: *Quercus robur*.
P.c: *Pinus cembra*, R.p: *Robinia pseudoacacia*
* 1: less than 30%, 2: 40-49% (45%), 3: 50-59% (55%), 4: more than 60%
*** Case of less than 30%: If survey data is less than 30%, this break is "0". Total average is 5.84% in this survey.
**** Average rate by damage grade is follows: Strong: 69%, Moderate: 48, Weak: 32%. Total average is 9.15% in this survey.

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.	96.1	prep.	423.4
3	♀	1.5	20.8	16.9	5.4	33.0	37.4	34.0	52.6	104.7	177.2	80.8	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	68.2		490.9
S.D.		0.8	5.8	6.6	8.9	6.5	12.8	32.2	21.1	9.8	68.2	17.5		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	51.1	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.	0	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	2.8			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	♀	423.4	758	1.14	1.39
2	♂	156.9	658	0.82	0.45
3	♀	579.4	800	2.39	1.37
4	♂	130.0	633	0.78	0.41
5	♂	156.2	687	0.84	0.45
6	♀	470.0	841	1.51	1.41
7	died				
8	♂	145.9	650	0.85	0.45
9	♂	160.6	683	0.81	0.43
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 (Schitu 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
1	18	3.0	1,679	1,524	rainy weather	rainy weather	1,660	662	rainy	345	431	201	104	82	82	29
2	16	0.6	1,818	1,352			835	815		304	disappeared	disappeared	308	209	126	29
3	16	0.6	2,103	1,907	1,346		1,062	1,046		388	disappeared	disappeared				46
4	17	0.0	690	927	625		643	643		432	545	312	244	217	142	67
5	16	0.8	505	386			301	301		259	disappeared	disappeared				
6	18	1.4	256	884			489	501		195	disappeared	disappeared				
7	17	1.4	2,425	2,402			896	896		475	435	187	234	153	93	42
8	17	2.0	1,450	1,247			449	449		204	194	129	101	81	75	40
9	16	2.0	1,696	1,749	1,287		820	686		405	495	272	167	152	52	31
10	16	2.4	775	701			380	309		270	300	180	139	84	30	20
11	19	1.0	760	947			397	329		233	237	82	115	86	85	25
12	17	1.2	670	742			437	437		83	137	78	93	65	38	16
13	17	3.2	2,168	2,723			1,058	1,058		849	833	505	333	316	76	72
14	14	2.0	193	256			198	198		180	251	120	40	40	12	5
15	18	2.4	2,578	2,519			1,026	1,026		629	642	340	206	169	118	82
16	17	0.8	2,733	2,027			1,238	1,282		671	748	395	312	280	194	34
17	16	2.2	2,151	2,284			1,194	1,194		766	865	506	244	158	53	21
18	16	0.8	1,453	1,506			691	691		402	427	227	172	139	97	62
19	16	1.8	999	1,342			466	619		318	290	179	164	107	94	23
20	16	3.4	2,742	1,872			830	917		516	584	435	243	217	146	38
21	17	2.4	3,278	2,995	2,058		1,447	1,686		882	961	391	351	231	123	58
22	17	2.4	disappeared					1,119		458	542	325	disappeared			
23	16	2.2	1,313	1,284			740	740		303	298	143	124	89	53	20
24	17	1.4	1,185	1,451			1,818	688		483	462	209	158	116	64	16
25	16	0.6	1,194	1,371			694	694		353	278	147	115	88	98	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	772
N			24	24	4		12	25		25	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	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	20.8

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

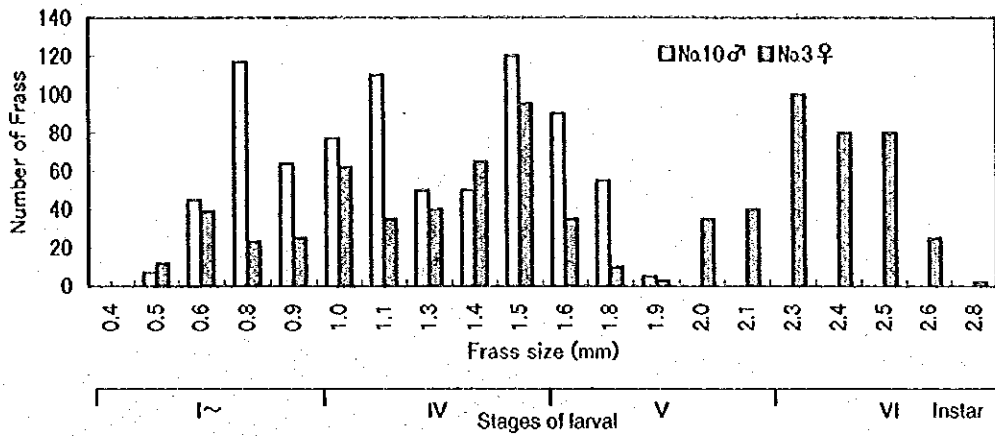
**Egg mass: The mean egg mass number on the closest five trees around the trap.

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

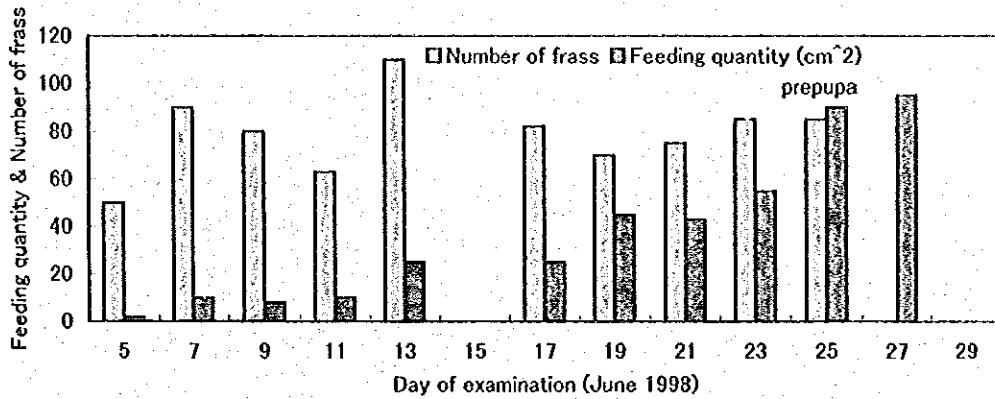
Trap No.	DBH* (cm)	Egg mass /tree**	Date of examination and dry weight of frass in each trap (g)																	Total
			Jun. 5	7	9	11	13	15	17	19	21	23	25	27	29 Jul. 1	3				
1	18	3.0	2.6	2.5	2.1	2.9	2.1	1.6	2.0	1.4	1.3	1.4	0.5	0.3	0.2	0.1	21.3			
2	16	0.6	2.4	1.9	2.1	1.6	1.4	1.9	2.3	1.5	1.0	disappeared	1.0	0.7	0.4	0.1				
3	16	0.6	3.0	2.9	3.0	2.7	3.0	3.3	3.6	1.8	1.6	disappeared	1.1	0.6	0.3	22.7				
4	17	0.0	1.0	1.5	2.1	1.6	1.8	1.7	2.5	1.8	2.3	2.5	1.3	0.6	0.6	0.3				
5	16	0.8	0.5	0.7	0.9	0.9	0.9	0.9	1.0	0.8	1.1	disappeared	1.1	0.6	0.3	0.3				
6	18	1.4	0.9	1.3	1.2	1.6	1.2	1.7	1.7	0.9	0.7	disappeared	0.8	0.5	0.2	26.8				
7	17	1.4	3.1	3.3	3.8	3.1	3.8	2.1	2.8	1.5	1.5	1.4	0.3	0.2	0.1	0.1				
8	17	2.0	2.0	1.9	1.6	1.2	1.1	1.3	0.6	0.6	0.6	0.6	0.2	0.2	0.2	0.1				
9	16	2.0	3.2	3.4	3.0	3.8	2.6	2.0	2.6	2.0	1.6	1.6	0.8	0.5	0.2	0.1				
10	16	2.4	1.2	1.1	1.2	1.5	1.2	0.9	1.2	0.9	1.2	1.3	0.6	0.7	0.4	0.1				
11	19	1.0	0.9	1.3	1.1	1.0	0.9	0.9	1.2	0.8	0.9	0.8	0.2	0.3	0.3	0.1				
12	17	1.2	1.1	1.2	1.3	1.5	1.0	1.4	0.5	0.5	0.3	0.7	0.2	0.1	0.1	0.1	9.3			
13	17	3.2	2.8	4.1	3.1	3.8	3.5	3.0	3.0	2.0	2.8	2.7	1.4	1.1	0.2	0.2	34.6			
14	14	2.0	0.1	0.2	0.5	0.4	0.6	0.5	0.5	0.8	0.7	0.9	0.4	0.1	0.1	0.1				
15	18	2.4	3.4	3.5	3.0	3.9	2.9	3.1	3.1	2.2	2.2	2.2	1.2	0.5	0.4	0.2	32.0			
16	17	0.8	3.4	2.4	3.1	4.0	3.8	4.0	3.8	1.8	2.2	2.6	1.2	0.9	0.6	0.1	34.2			
17	16	2.2	3.2	3.6	3.5	4.1	4.0	4.1	4.0	2.0	3.6	3.8	1.8	0.6	0.2	0.1	39.2			
18	16	0.8	2.0	2.1	2.8	2.2	2.1	2.3	1.4	1.4	1.6	1.7	0.8	0.2	0.3	0.3	22.1			
19	16	1.8	1.2	1.5	1.4	1.1	1.1	1.8	0.8	0.8	1.2	1.0	0.5	0.7	0.4	0.1	14.2			
20	16	3.4	2.6	2.6	2.1	2.0	2.1	2.1	2.1	1.1	1.6	2.0	1.2	0.5	0.5	0.1	23.1			
21	17	2.4	4.0	4.4	5.5	6.4	5.1	6.1	6.1	3.5	3.9	3.8	1.1	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						
23	16	2.2	1.7	2.1	2.2	2.4	2.2	2.4	2.0	1.0	1.0	1.2	0.4	0.3	0.1	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	0.4	0.1	0.1				
Total	416	42.0	48.5	53.9	47.2	50.0	61.1	53.6	59.8	35.5	39.9	36.5	18.3	14.4	10.7	5.2	330.0			
N			24	24	22	20	25	25	25	25	25	21	21	21	17	21	12			
Mean	16.6	1.7	2.0	2.2	2.1	2.5	2.4	2.1	2.4	1.4	0.6	1.7	0.9	0.7	0.5	0.3	27.5			
S.D.	1.0	0.9	1.1	1.1	1.1	1.2	1.4	1.2	1.2	0.7	0.9	0.9	0.6	0.4	0.3	0.2	11.2			

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

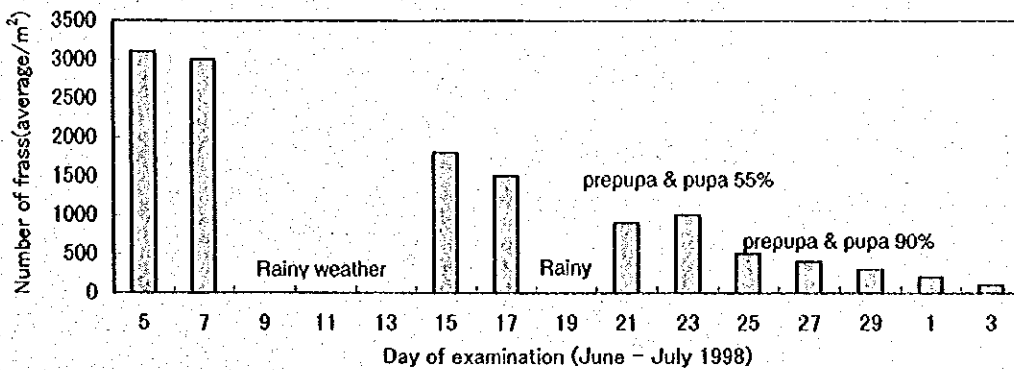
**Egg mass : The mean egg mass number on the closest five trees around the trap.



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)

