

ETUDE D'AMÉNAGEMENT FORESTIER
DU BASSIN DE LA KOUKOUA
R
REPUBLIQUE GUINEENNE

PAR M. Y. S. S. S. S.

1975

AGENCE NATIONALE DE RECHERCHES FORESTIERES
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**ETUDE D'AMENAGEMENT FORESTIER
DU BASSIN DE LA MEDJERDA
EN
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**RAPPORT FINAL
TABLEAUX ET FIGURES ANNEXES**

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Tableau 1.

Liste des placettes d'échantillonnage

LIST OF SURVEY PLOT FOR FOREST INVENTORY

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
1	28	Ain Draham	Tabarka	MK I	P.pr	AFH2D3	20	all direction	5	P	600	96	22	9		
2	29			MK I	E.ca	AFH2D3	30	"	2	P	1,050	144	17	10	P. pinaster 40 trees. 5 m ²	
3	30			MK I	P.pr	AFH2D3	150	NE	10	MS	2,440	160	11	8	C. liege 40 trees. 5 m ²	
4	31			MK I	Q.su	NFH2D3	240	E	5	MS	305	117	33	8		
5	32			MK I	P.pr	AFH1D3	280	SE	15	MS	2,260	93	12	4	C. liege 20 trees. 13 m ²	
6	33			MK I	Q.mi	NFH2D2	450	N	35	MS	135	103	40	9		
7	150			MK I	Q.mi	NFH3D3	660	N	12	MS	330	236	32	16		
8	34			MK II	Q.su	NFH2D1	60	W	5	P	170	64	33	8		
9	35			MK II	Ca.sem	AFH2D3	160	NW	15	MS	3,640	14	10	7	C. liege 20 trees. 1 m ²	

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Alti- tude	Aspect of slope	Grad- ient	Topo- graphy	Number of trees	Volume	D.B.H	Total height		
10	36	Ain Draham	Tabarka	MK II	E.ca	AFH2D3	180	N	25	P	920	112	17	10		
11	37			MK II	P.pr	AFH2D3	130	N	15	P	2.280	155	13	8		
12	38			MK II	P.pr	AFH3D3	140	N	20	P	1.950	194	16	8		C. liege 110 trees. 8m ² .
13	39			MK IV	E.ca	AFH2D2	440	W	12	MS	430	54	21	10		C. liege. 10 trees. 2 m ² .
14	40			MK IV	Q.su	NFH2D2	470	NW	20	MS	190	75	32	7		
15	41			MK IV	P.pr	AFH1D3	530	W	12	MS	2.240	11	6	5		
16	42			MK IV	P.pr	AFH1D3	500	NW	23	MS	1.390	69	14	5		C. liege: 20 trees. 1 m ² .
17	43			MK IV	P.pa	AFH1D3	400	S	16	MS	3.140	87	11	4		
18	44			MK IV	Q.su	NFH2D2	240	W	15	P	350	133	32	8		
19	45			MK V	Q.su	NFH2D2	450	E	25	MS	725	123	21	7		

No.	Plot No.	Arrondissement	Sub.division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
20	46	Ain Draham	Tabarka	MK V	E.ca	AFH3D3	360	W	24	MS	1.010	132	17	11	C.liege 10 trees. 1 m ²	
21	47			MK V	Q.su	NFH2D1	240	SE	17	P	250	65	23	6		
22	48			MK V	P.pr	AFH1D3	460	S	17	MS	2.010	67	12	5	C.liege 140 trees. 5 m ²	
23	50			MK V	P.pr	AFH1D3	610	S	26	MS	4.320	108	10	5	C.liege 300 trees. 13 m ²	
24	25			ED	P.pr	AFH2D2	340	NW	10	MS	2.190	102	14	7	C.liege 450 trees. 24 m ²	
25	26			ED	P.pr	AFH2D3	290	all direction	5	MS	2.300	84	12	6	C.liege 170 trees. 14 m ²	
26	27			ED	Q.mi	NFH2D3	480	N	25	MS	360	158	28	8		
27	107			AM I	Q.su	NFH2D3	570	W	13	MS	1.215	156	20	7		
28	137			AM I	Q.su	NFH2D2	610	E	9	MS	415	131	30	7		
29	144			AM I	Q.su	NFH2D3	500	SE	10	MS	350	100	30	7		

No.	Plot No.	Arrondissement	Sub.division	Serie	Species	Forest formation	Site condition				Per ha		Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height	
30	146	Ain Draham	Tabarka	AM I	Q.mi	NFH2D3	58	N	12	R	270	118	27	10	
31	147			AM I	Q.su	NFH2D2	660	NW	15	R	240	84	37	6	
32	138			AM II	Q.su	NFH2D3	600	S	12	P	455	127	26	7	
33	139			AM II	Q.su	NFH2D3	610	S	9	MS	640	93	22	6	
34	140			AM II	P.pr	AFH3D3	640	NW	10	MS	1.120	217	23	11	
35	141			AM II	Q.su	NFH2D2	570	N	16	R	220	121	39	9	
36	142			AM II	Q.su	NFH2D2	520	NE	10	R	275	83	31	8	
37	143			AM II	Q.su	AFH2D2	400	NW	10	MS	270	67	29	7	
38	145			AM II	Q.su	AFH2D2	590	NW	10	MS	255	61	32	6	
39	148			AM II	P.pr	AFH2D3	360	NW	16	MS	1.990	127	15	9	C.liege 180 trees. 7 m ²

No.	Plot No.	Arrondissement	Sub-division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
40	115	Ain Draham	Ain Draham	CH I	Q.su	NFH1D2	770	S	7	MS	975	75	17	4		
41	121			CH I	P.pr	AFH3D2	660	SW	15	P	260	139	35	12		C. liege 30 trees. 37 m ³
42	122			CH I	Q.su	NFH2D3	730	S	17	MS	980	124	20	6		
43	129			CH I	Q.su	NFH2D2	610	SW	11	MS	820	118	19	6		C. zeen 10 trees. 3 m ³
44	130			CH I	Q.mi	NFH3D2	870	NW	13	MS	65	132	57	12		
45	112			CH II	Q.su	NFH1D1	600	all direction	0	E	175	18	18	5		
46	124			CH II	Q.su	NFH2D2	520	W	13	MS	195	118	35	9		
47	125			CH II	E.ca	AFH3D3	540	all direction	5	P	460	164	26	18		C. liege 30 trees. 32 m ³
48	126			CH II	Q.su	NFH1D2	720	NW	8	MS	1.070	75	15	4		C. zeen 65 trees. 15 m ³
49	127			CH III	Q.mi	NFH3D1	800	N	10	P	120	174	51	13		

No.	Plot No.	Arrondissement	Sub-division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H.	Total height		
50	131	Ain Draham	Ain Draham	CH II	P.ha	AFH2D2	510	S	21	MS	310	80	27	11	Eucalyptus 30 trees. 3 m ²	
51	132			CH III	Cu.sem	AFH1D2	510	S	20	MS	510	27	13	5		
52	133			CH III	Q.mi	NFH2D3	780	N	15	MS	420	116	29	7	C.liege 30 trees. 4 m ²	
53	134			CH III	Q.mi	NFH2D1	810	N	11	MS	65	83	60	9	C.liege 5 trees. 1 m ²	
54	135			CH III	Q.su	NFH2D3	690	NW	13	P	730	93	21	6		
55	136			CH III	Q.su	NFH1D3	650	all direction	3	R	1.495	106	16	4		
56	100			OZ I	Q.mi	NFH2D3	600	E	10	MS	455	167	24	10	C.liege 20 trees. 24 m ²	
57	106			OZ I	Q.mi	NFH2D3	410	all direction	5	MS	1.400	224	14	10	C.liege 5 trees. 3 m ²	
58	98			OZ II	Q.mi	NFH3D3	710	NW	19	MS	240	166	37	11	C.liege 75 trees. 30 m ²	
59	99			OZ II	Q.mi	NFH2D3	740	E	20	MS	365	130	26	10		

No.	Plot No.	Arrondissement	Sub.division	Serie	Species	Forest formation	Site condition			Per ha		Mean value of plot		Remarks	
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H		Total height
60	109	Ain Draham	Ain Draham	OZ II	Q.mi	NFH2D3	340	NW	13	P	245	195	34	14	
61	101			OZ III	P.pr	AFH2D3	500	all direction	5	R	1.240	238	23	12	
62	102			OZ III	E.ca	NFH2D3	490	all direction	5	R	1.690	55	9	6	
63	103			OZ III	P.pr	AFH1D3	510	all direction	4	R	15.510	91	6	4	Direct sowing
64	104			OZ III	Q.mi	AFH2D3	490	N	10	MS	1.265	185	15	10	
65	105			OZ III	Q.mi	NFH2D3	540	SW	12	P	685	141	19	9	
66	108			OZ III	Q.mi	NFH2D3	540	S	9	MS	1.495	169	13	9	C. liege 5 trees. 0.6 m ²
67	110			OZ III	Q.su	NFH2D3	510	all direction	0	R	330	188	37	10	
68	111			OZ II	Q.mi	NFH2D3	550	NE	10	R	760	181	18	9	
69	113			OZ IV	P.pa	AFH1D3	570	all direction	5	R	2.710	20	7	2	

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
70	114	Ain Draham	Ain Draham	OZ IV	Q.su	NFE2D2	470	all direction	5	P	430	157	26	10	C. zeen. 45 trees. 18 m ²	
71	149			OZ IV	Q.su	NFH1D1	460	all direction	3	R	605	27	10	4		
72	116	Ain Draham Jerdouba	Ain Draham Fernana	OZ IV	Q.mi	NFE2D3	830	NW	13	MS	220	153	39	10		
73	117			OZ IV	Q.mi	NFH3D2	750	NE	21	MS	60	125	59	12		
74	118			OZ IV	Q.mi	NFE2D3	670	NE	14	MS	770	179	22	9		
75	119			OZ IV	Q.mi	NFE2D3	770	N	7	MS	745	159	21	9		
76	120			OZ IV	P.mi	AFE3D3	870	SW	13	MS	1.210	214	22	11		
77	123			OZ IV	P.pa	AFH1D3	510	S	3	MS	1.050	12	8	3		
78	128			OZ IV	Q.mi	NFH1D3	830	N	9	MS	2.230	166	11	5		
79	7	Ain Draham	Ain Draham	AD I	P.ra	AFE3D3	420	NW	9	P	1.370	228	21	17		

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
80	8	Ain Draham	Ain Draham	AD I	Q.mi	NFH3D1	500	W	15	MS	55	163	71	15		
81	9			AD I	Q.mi	NFH2D3	330	NW	15	MS	1.120	193	17	8	C.liege 115 trees 33m ²	
82	10			AD I	Q.su	NFH2D1	510	S	9	MS	290	194	37	10	C.zeen 60 trees 56m ²	
83	11			AD II	Q.su	NFH2D2	130	SE	14	MS	260	75	28	9		
84	12			AD II	Q.su	NFH3D3	310	E	24	MS	540	274	36	12		
85	13			AD II	Q.mi	NFH3D3	280	NW	14	P	280	205	34	13		
86	14			AD II	P.pa	AFH1D3	330	NW	10	MS	4.250	97	10	5		
87	15			AD III	P.ra	AFH3D3	650	SE	12	MS	780	216	26	14		
88	16			AD III	P.pr	AFH2D3	520	S	23	MS	680	79	25	9		
89	17			AD III	Cu.sem	AFH2D3	490	E	15	MS	2.100	163	16	8		

No.	Plot No.	Arondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
90	18	Ain Draham	Ain Draham	AD III	Q.su	NFH1D1	830	NW	4	MS	1,110	94	17	5		
91	19			AD III	Q.mi	NFH3D1	710	W	7	MS	20	93	84	15		
92	24			AD III	Q.su	NFH2D3	840	E	8	R	800	189	22	7		
93	86	Ain Draham Jendouba	Ain Draham Fernana	AD IV	Q.mi	NFH2D3	770	SE	5	R	385	120	24	10		
94	87	Ain Draham	Ain Draham	AD IV	Q.mi	NFH2D3	680	S	14	MS	185	113	32	10	C.liege 5 trees 24m ²	
95	88			AD IV	Q.su	NFH2D2	760	SE	12	MS	725	186	25	7	C.zeen 30 trees 24m ²	
96	89			AD IV	Q.mi	NFH3D3	750	NE	11	MS	340	211	33	11		
97	90			AD IV	Q.mi	NFH3D3	680	SE	10	MS	370	137	27	11		
98	91			AD IV	E.ca	AFH3D3	480	SE	15	P	770	130	19	22		
99	1			AD V	Q.su	NFH2D3	830	W	14	MS	1,420	198	20	8		

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha		Mean value of plot		Remarks
							Alti- tude	Aspect of slope	Grad- ient	Topo- graphy	Number of trees	Volume	D.B.H	Total height	
100	2	Ain Draham	Ain Draham	AD V	P.pr	AFH2D3	690	E	6	R	1.650	192	18	10	
101	6			AD V	Q.mi	NFH3D3	640	W	12	MS	210	264	43	13	
102	20			AD VI	P.pa	AFH2D3	200	all direction	3	MS	1.150	112	20	8	Thinning
103	21			AD VI	P.pa	AFH2D3	610	W	7	R	980	192	27	9	
104	22			AD VI	Q.mi	NFH3D3	650	W	20	MS	230	225	43	12	
105	23			AD VI	Q.su	AFH2D3	790	NW	10	MS	930	176	22	8	C.zeen 35 trees 24m
106	81	Ain Draham Jendouba	Ain Draham Fernana	AD VII	P.pa	AFH2D3	530	W	7	MS	920	67	17	7	
107	82			AD VI	Q.su	NFH2D2	380	NE	20	R	530	79	22	6	
108	83			AD VII	Q.su	NFH2D3	410	all direction	0	R	985	113	20	6	
109	84			AD VII	P.ra	AFH3D3	500	S	12	MS	930	123	19	13	Thinning 111 trees

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest Formation	Site condition				Per ha			Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height		
110	85	Ain Draham Jendouba	Ain Draham Fernana	AD VI	Q.mi	NFH2D2	550	NW	10	MS	425	204	28	10		
111	92	Ain Draham	Ain Draham	AD VI	E.ca	AFH3D3	460	SE	10	P	660	107	23	13	E.emboccpiza 450 trees 105m	
112	93			AD VI	Q.mi	AFH3D1	460	NW	9	P	20	142	116	13	C.liege: 5 trees 34m	
113	94			AD VI	Q.su	AFH2D2	490	NW	11	P	210	105	36	8		
114	95			AD VI	P.pr	AFH2D3	500	all direction	0	P	2.830	117	13	6	C.liege 920 trees 35m	
115	96			AD VI	P.pr	AFH1D3	550	SW	5	MS	2.650	75	11	5		
116	97			AD VI	Q.mi	NFH3D1	710	W	10	P	40	99	74	11		
117	75	Jendouba	Fernana	AD IX	Q.su	NFH2D2	330	E	14	MS	365	91	28	7		
118	76			AD IX	P.pr	AFH2D2	410	NW	7	MS	440	62	25	8	Acacia 400 trees 2m	
119	77			AD IX	P.ha	AFH1D3	340	W	10	MS	2.100	44	9	5		

No.	Plot No.	Arrondissement	Sub. division	Serie	Species	Forest formation	Site condition				Per ha		Mean value of plot		Remarks
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H	Total height	
120	78	Jendouba	Fernana	AD IX	P.ra	AFH2D3	250	NW	7	P	1,250	115	19	7	
121	79			AD IX	P.ba	AFH2D3	390	NE	15	MS	740	84	20	9	
122	80			AD IX	P.pa	AFH1D3	570	SW	5	R	1,760	14	7	2	
123	3	Ain Draham	Ain Draham	AD X	Q.mi	NFH3D3	610	NW	8	MS	205	157	35	12	
124	4			AD X	Q.su	NFH2D3	440	all direction	3	P	245	99	34	9	
125	5			AD X	P.pr	AFH2D2	620	SE	6	MS	710	103	23	9	
126	69	Jendouba	Fernana	FN I	Q.su	NFH2D3	280	all direction	0	P	550	69	21	6	
127	70			FN I	Q.su	NFH2D2	300	all direction	0	P	255	41	25	6	
128	71			FN I	Q.su	NFH2D3	330	NW	5	P	775	138	22	7	
129	74			FN I	Q.su	NFH2D3	340	S	10	P	400	96	28	7	

No.	Plot No.	Arrondissement	Sub.division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Alti-tude	Aspect of slope	Grad-ient	Topo-graphy	Number of trees	Volume	D.B.H	Total height		
130	66	Jendouba	Fernana	FN II	Q.su	NFH2D2	480	NW	8	P	175	58	34	7		
131	67			FN II	Q.su	NFH2D3	450	NW	12	R	760	127	24	6		
132	68			FN II	Q.su	NFH1D2	380	NE	15	MS	620	59	20	5		
133	59			FN III	Q.su	NFH2D3	570	all direction		I MS	370	103	29	6		
134	64			FN III	E.ca	AFH3D3	410	S	7	P	390	113	26	12		
135	65			DD	P.ha	AFH3D2	610	NE	20	MS	300	121	33	13		
136	72			DD	P.br	AFH3D3	460	S	10	MS	760	184	26	14		
137	73			DD	E.ca	AFH3D2	410	NE	20	P	300	85	26	13		
138	55		Ghardimaou	OA II	P.ha	AFH2D3	540	S	30	MS	570	33	15	7		
139	56			OA II	Q.su	NFH2D1	770	N	17	P	175	88	40	7		

No.	Plot No.	Arrondissement	Sub.division	Serie	Species	Forest formation	Site condition				Per ha			Mean value of plot		Remarks
							Alti-tude	Aspect of slope	Grad-ient	Topo-graphy	Number of trees	Volume	D.B.H	Total height		
140	57	Jendouba	Ghardimaou	OA II	P.ba	AFH1D3	760	N	15	MS	1.140	64	13	5		
141	58			OA III	Q.su	NFH1D3	760	NW	30	P	855	113	22	5		
142	60			OA III	P.pa	AFH1D3	530	SE	15	P	4.560	29	6	2		
143	61			OA III	E.ca	AFH3D3	490	all direction	3	P	1.000	120	17	14		
144	62			OA III	P.ba	AFH2D3	440	E	15	MS	990	61	18	9	Eucalyptus 30 trees 13m	
145	63			OA III	Cu.sem	AFH1D3	430	NW	10	MS	1.130	43	11	5		
146	49	Beja	Nefza	OT	Q.mi	AFH3D3	590	N	20	R	165	212	44	15		
147	51			OT	P.pr	AFH2D3	260	SW	16	MS	1.510	100	17	7	C.zen AC.liege 170 trees 11m	
148	52			OT	P.Pa	AFH2D3	300	E	27	R	1.720	66	11	6	C.liege 310 trees 22m	
149	53			OT	Q.mi	NFH3D2	320	NE	10	MS	200	373	48	17		

No.	Plot No.	Arrondissement	Sub.division	Serie	Species	Forest formation	Site condition			Per ha		Mean value of plot		Remarks	
							Altitude	Aspect of slope	Gradient	Topography	Number of trees	Volume	D.B.H		Total height
150	54			OT	Q.su	NFH2D2	130	E	12	P	405	62	23	7	

Note: (1) Serie: MK=Mekna, HD=Houandias, AM=Amdoun, CH=Chihia,

OZ=Oued Zene, AZ=Ain Zana, AD=Ain Draham, FN=Fernana,

DD=Djebel Diss, OA=Ouled Ali

(2) Forest formation: NF=Natural Forest, AF=Artificial Forest,

H=Tree height class, H₁=Low, H₂=Middle,

H₃=High

(3) Topography: P=Piedmont, lowland

M₁=Mountainside

R=Ridge, terrace

Tableau 2.

Table de cubage et Tarif de cubage

CHENE ZEBEN VOLUME TABLE

D.B.H. (cm)	G.B.H. (cm)	Tree Height (m)										
		2	3	4	5	6	7	8	9	10	11	12
5	16	0.042	0.043	0.044	0.045							
10	31		0.051	0.055	0.058	0.062	0.066	0.070	0.073	0.077		
15	47		0.065	0.074	0.083	0.091	0.100	0.108	0.117	0.125	0.134	0.142
20	63				0.117	0.132	0.147	0.163	0.178	0.193	0.209	0.224
25	78.5					0.183	0.207	0.230	0.254	0.278	0.302	0.326
30	94				0.211	0.245	0.279	0.313	0.347	0.381	0.416	0.450
35	110							0.414	0.461	0.508	0.554	0.601
40	126						0.469	0.531	0.592	0.654	0.715	0.776
45	141							0.655	0.731	0.808	0.885	0.962
50	157							0.802	0.897	0.993	1.088	1.183
55	173							0.965	1.081	1.197	1.312	1.428
60	188.5							1.139	1.276	1.413	1.551	1.688
65	204							1.327	1.488	1.648	1.809	1.970
70	220							1.536	1.723	1.911	2.098	2.285
75	236							1.762	1.977	2.193	2.408	2.623
80	251							1.988	2.231	2.475	2.718	2.962
85	267							2.244	2.520	2.795	3.071	3.346
90	283							2.516	2.826	3.135	3.445	3.754
95	298.5							2.795	3.139	3.484	3.828	4.172
100	314							3.088	3.470	3.851	4.232	4.613
105	330							3.407	3.828	4.249	4.670	5.091
110	345.5							3.731	4.192	4.654	5.115	5.576
115	361							4.069	4.573	5.077	5.580	6.084
120	377							4.435	4.984	5.533	6.083	6.632
125	393							4.815	5.412	6.009	6.606	7.203
130	408							5.187	5.830	6.474	7.117	7.761
135	424							5.599	6.293	6.988	7.683	8.378
140	440							6.026	6.774	7.523	8.271	9.019

[Note] $V = 0.399 + 0.03865(C^2 \cdot H)$, $V : m^3$, $C(=G.B.H.): m$, $H : m$

CHENE ZEEN VOLUME TABLE

D. B. H. (cm)	G. B. H. (cm)	Tree Height (m)										
		13	14	15	16	17	18	19	20	21	22	
5	16											
10	31											
15	47	0.151	0.159	0.168	0.177							
20	63	0.239	0.255	0.270	0.285							
25	78.5	0.350	0.373	0.397	0.421							
30	94	0.484	0.518	0.552	0.586	0.620	0.655					
35	110	0.648	0.695	0.741	0.788	0.835	0.882					
40	126	0.838	0.899	0.960	1.022	1.083	1.144	1.206	1.267			
45	141	1.039	1.116	1.193	1.269	1.346	1.423	1.500	1.577			
50	157	1.278	1.374	1.469	1.564	1.659	1.755	1.850	1.945			
55	173	1.544	1.659	1.775	1.891	2.006	2.122	2.238	2.353			
60	188.5	1.825	1.963	2.100	2.237	2.375	2.512	2.649	2.787			
65	204	2.131	2.292	2.453	2.613	2.774	2.935	3.096	3.257	3.418	3.579	
70	220	2.472	2.659	2.846	3.033	3.220	3.407	3.594	3.781	3.968	4.155	
75	236	2.838	3.054	3.269	3.484	3.699	3.915	4.130	4.345	4.560	4.776	
80	251	3.205	3.449	3.692	3.936	4.179	4.423	4.666	4.910	5.153	5.397	
85	267	3.622	3.897	4.173	4.448	4.724	4.999	5.275	5.551	5.826	6.102	
90	283	4.064	4.374	4.638	4.993	5.302	5.612	5.921	6.231	6.540	6.850	
95	298.5	4.517	4.861	5.206	5.550	5.894	6.239	6.583	6.928	7.272	7.616	
100	314	4.994	5.375	5.756	6.137	6.518	6.899	7.280	7.661	8.042	8.424	
105	330	5.512	5.932	6.353	6.774	7.195	7.616	8.037	8.458	8.879	9.300	
110	345.5	6.038	6.499	6.960	7.422	7.883	8.344	8.806	9.267	9.729	10.190	
115	361	6.588	7.092	7.595	8.099	8.603	9.106	9.610	10.114	10.617	11.121	
120	377	7.181	7.731	8.280	8.829	9.378	9.928	10.477	11.026	11.576	12.125	
125	393	7.800	8.397	8.994	9.591	10.188	10.785	11.382	11.979	12.576	13.173	
130	408	8.404	9.047	9.691	10.334	10.977	11.621	12.264	12.908	13.551	14.194	
135	424	9.073	9.768	10.462	11.157	11.852	12.547	13.242	13.937	14.631	15.326	
140	440	9.767	10.516	11.264	12.012	12.760	13.509	14.257	15.005	15.753	16.502	

CHENE-LIEGE VOLUME TABLE

D. B. H. (cm)	G. B. H. (cm)	Tree height (m)										
		1	2	3	4	5	6	7	8	9	10	11
5	16	0.026	0.027	0.028	0.029	0.030						
10	31			0.035	0.039	0.042	0.045	0.048	0.052	0.055	0.058	
15	47			0.048	0.056	0.063	0.071	0.078	0.086	0.093	0.101	0.108
20	63				0.080	0.093	0.107	0.120	0.134	0.147	0.161	0.174
25	78.5					0.130	0.151	0.172	0.193	0.214	0.235	0.256
30	94					0.176	0.206	0.236	0.266	0.296	0.326	0.357
35	110						0.273	0.314	0.355	0.396	0.438	0.479
40	126				0.212	0.296	0.350	0.404	0.458	0.512	0.566	0.620
45	141							0.499	0.567	0.635	0.703	0.770
50	157							0.613	0.697	0.781	0.865	0.949
55	173								0.841	0.943	1.045	1.147
60	188.5								0.994	1.115	1.236	1.357
65	204								1.159	1.301	1.443	1.585
70	220								1.344	1.509	1.674	1.839
75	236								1.543	1.733	1.922	2.112
80	251								1.742	1.957	2.171	2.386
85	267								1.968	2.211	2.453	2.696
90	283								2.208	2.480	2.753	3.026
95	298.5								2.453	2.757	3.060	3.364
100	314								2.712	3.048	3.383	3.719
105	330								2.993	3.364	3.734	4.105
110	345.5								3.278	3.684	4.091	4.498
115	361								3.576	4.020	4.464	4.908
120	377								3.898	4.382	4.866	5.350
125	393								4.234	4.760	5.286	5.812
130	408								4.561	5.128	5.695	6.262
135	424								4.924	5.536	6.148	6.761
140	440								5.300	5.960	6.619	7.278

(Note) $V = 0.0255283 + 0.0340577(C^2 \cdot H)$, $V : m^3$, $C(=G.B.H.) : m$, $H : m$

CHENE-LIEGE VOLUME TABLE

D.B.H. (cm)	G.B.H. (cm)	Tree Height (m)												
		12	13	14	15	16	17	18	19	20	21	22		
5	16													
10	31													
15	47	0.116	0.123	0.131	0.138	0.146								
20	63	0.188	0.201	0.215	0.228	0.242								
25	78.5	0.277	0.298	0.319	0.340	0.361								
30	94	0.387	0.417	0.447	0.477	0.507	0.537	0.567						
35	110	0.520	0.561	0.602	0.644	0.685	0.726	0.767						
40	126	0.674	0.728	0.783	0.837	0.891	0.945	0.999	1.053	1.107				
45	141	0.838	0.906	0.973	1.041	1.109	1.177	1.244	1.312	1.380				
50	157	1.033	1.117	1.201	1.285	1.369	1.453	1.537	1.621	1.705				
55	173	1.249	1.351	1.453	1.554	1.656	1.758	1.860	1.962	2.064				
60	188.5	1.478	1.599	1.720	1.841	1.962	2.083	2.204	2.325	2.446				
65	204	1.726	1.868	2.010	2.152	2.293	2.435	2.577	2.718	2.860	3.002	3.144		
70	220	2.004	2.168	2.333	2.498	2.663	2.828	2.993	3.157	3.322	3.487	3.652		
75	236	2.302	2.491	2.681	2.871	3.061	3.250	3.440	3.630	3.819	4.009	4.199		
80	251	2.600	2.815	3.029	3.244	3.459	3.673	3.888	4.102	4.317	4.531	4.746		
85	267	2.939	3.182	3.425	3.667	3.910	4.153	4.396	4.639	4.881	5.124	5.367		
90	283	3.299	3.571	3.844	4.117	4.390	4.663	4.935	5.208	5.481	5.754	6.026		
95	298.5	3.667	3.971	4.274	4.577	4.881	5.184	5.488	5.791	6.095	6.398	6.702		
100	314	4.055	4.391	4.727	5.062	5.398	5.734	6.070	6.406	6.741	7.077	7.413		
105	330	4.476	4.847	5.218	5.589	5.960	6.331	6.702	7.072	7.443	7.814	8.185		
110	345.5	4.904	5.311	5.717	6.124	6.530	6.937	7.343	7.750	8.156	8.563	8.970		
115	361	5.352	5.795	6.239	6.683	7.127	7.571	8.015	8.459	8.902	9.346	9.790		
120	377	5.834	6.318	6.802	7.286	7.770	8.255	8.739	9.223	9.707	10.191	10.675		
125	393	6.338	6.846	7.390	7.916	8.442	8.968	9.494	10.020	10.546	11.072	11.598		
130	408	6.829	7.396	7.963	8.530	9.097	9.663	10.230	10.797	11.364	11.931	12.498		
135	424	7.373	7.985	8.597	9.210	9.822	10.434	11.046	11.659	12.271	12.883	13.496		
140	440	7.938	8.597	9.257	9.916	10.575	11.235	11.894	12.553	13.213	13.872	14.531		

VOLUME TARIFFS

Pinus spp. (unit:m³)

D.B.H. (cm)	T ₁	T ₂	T ₃
5	0.004	0.004	0.002
10	0.031	0.024	0.020
15	0.075	0.057	0.050
20	0.138	0.104	0.092
25	0.219	0.164	0.146
30	0.318	0.238	0.212
35	0.434	0.325	0.290
40	0.571	0.429	0.380
45	0.724	0.544	0.482
50	0.895	0.672	0.596
55	1.084	0.814	0.722

Eucalyptus spp. (unit:m³)

D.B.H. (cm)	T ₁	T ₂
5	0.001	0.001
10	0.032	0.020
15	0.085	0.055
20	0.159	0.104
25	0.254	0.164
30	0.371	0.244
35	0.505	0.335
40	0.662	0.440
45	0.842	0.557
50	1.040	0.692

Cypress (unit:m³)

D.B.H. (cm)	T ₁
5	0.006
10	0.026
15	0.061
20	0.109
25	0.170
30	0.246

PHOTO STAND VOLUME TABLE OF CHENE ZEEB

UNIT : m³/ha

R (CROWN DENSITY) < % >	CD (CROWN DIAMETER) < m >														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5							14.649	31.267	47.886	64.504	81.122	97.741	114.359	130.977	147.596
10						7.519	24.137	40.756	57.374	73.992	90.611	107.229	123.848	140.466	157.084
15					0.389	17.907	33.626	50.244	66.862	83.481	100.099	116.718	133.336	149.954	166.573
20					9.877	26.496	43.114	59.732	76.351	92.969	109.588	126.206	142.824	159.443	176.061
25				2.747	19.366	35.984	52.602	69.221	85.839	102.458	119.076	135.694	152.313	168.931	185.549
30				12.236	28.854	45.472	62.091	78.709	95.328	111.946	128.564	145.183	161.801	178.419	195.038
35			5.108	21.724	38.342	54.961	71.579	88.198	104.816	121.434	138.053	154.671	171.289	187.908	204.526
40			14.594	31.212	47.831	64.449	81.068	97.686	114.304	130.923	147.541	164.160	180.778	197.396	214.015
45			24.082	40.701	57.319	73.938	90.556	107.174	123.793	140.411	157.030	173.648	190.266	206.885	223.503
50	0.334	16.952	33.571	50.189	66.808	83.426	100.044	116.663	133.281	149.900	166.518	183.136	199.755	216.373	232.991
55	9.822	26.441	43.059	59.678	76.296	92.914	109.533	126.151	142.770	159.388	176.006	192.625	209.243	225.861	242.480
60	19.311	35.929	52.548	69.166	85.784	102.403	119.021	135.640	152.258	168.876	185.495	202.113	218.732	235.350	251.968
65	28.799	45.418	62.036	78.654	95.273	111.891	128.510	145.128	161.746	178.365	194.983	211.602	228.220	244.838	261.457
70	38.288	54.906	71.524	88.143	104.761	121.380	137.998	154.616	171.235	187.853	204.472	221.090	237.708	254.327	270.945
75	47.776	64.394	81.013	97.631	114.250	130.868	147.486	164.105	180.723	197.342	213.960	230.578	247.197	263.815	280.433
80	57.264	73.883	90.501	107.120	123.738	140.356	156.975	173.593	190.212	206.830	223.448	240.067	256.685	273.303	289.922
85	66.753	83.371	99.990	116.608	133.226	149.845	166.463	183.082	199.700	216.318	232.937	249.555	266.174	282.792	299.410
90	76.241	92.860	109.478	126.096	142.715	159.333	175.952	192.570	209.188	225.807	242.425	259.044	275.662	292.280	308.899
95	85.730	102.348	118.966	135.585	152.203	168.822	185.440	202.058	218.677	235.295	251.914	268.532	285.150	301.769	318.387
100	95.218	111.836	128.455	145.073	161.692	178.310	194.928	211.547	228.165	244.784	261.402	278.020	294.639	311.257	327.875

$V_e = 1.89622R + 16.6056CD - 110.954$

$V = 1.00077V_e - 0.128937$

$< V = 1.89768R + 16.61839CD - 111.16837 >$

PHOTO STAND VOLUME TABLE OF CHEENE-LIEGE

UNIT : m³/ha

R (CROWN DENSITY) < % >	CD (CROWN DIAMETER) < m >									
	1	2	3	4	5	6	7	8	9	10
5										
10					1.532	7.049	12.402	17.620	22.722	27.722
15				3.391	10.634	17.620	24.399	31.006	37.466	43.798
20			1.532	10.634	19.333	27.722	35.863	43.798	51.556	59.160
25										
30			7.049	17.620	27.722	37.466	46.921	56.136	65.145	73.977
35			12.402	24.399	35.863	46.921	57.651	68.108	78.333	88.355
40		3.391	17.620	31.006	43.798	56.136	68.108	79.776	91.185	102.369
45		7.049	22.722	37.466	51.556	65.145	78.333	91.185	103.752	116.070
50		10.634	27.722	43.798	59.160	73.977	88.355	102.369	116.070	129.500
55		14.156	32.634	50.017	66.629	82.652	98.199	113.352	128.169	142.691
60		17.620	37.466	56.136	73.977	91.185	107.884	124.158	140.071	155.669
65		21.033	42.228	62.163	81.216	99.592	117.425	134.804	151.797	168.453
70		24.399	46.921	68.108	88.355	107.884	126.834	145.303	163.362	181.063
75	1.532	27.722	51.556	73.977	95.404	116.070	136.124	155.669	174.779	193.511
80	3.391	31.006	56.136	79.776	102.369	124.158	145.303	165.911	186.060	205.811
85	5.230	34.253	60.664	85.511	109.255	132.157	154.380	176.039	197.216	217.974
90	7.049	37.466	65.145	91.185	116.070	140.071	163.362	186.060	208.255	230.010
95	8.850	40.647	69.582	96.803	122.817	147.907	172.254	195.983	219.183	241.925
100	10.634	43.798	73.977	102.369	129.500	155.669	181.063	205.811	230.010	253.729

$$V_e = 0.72515(R * \overline{CD})^{0.82058}$$

$$V = 1.36389V_e - 32.6538$$

$$\langle V = 0.9890248(R * \overline{CD})^{0.82058} - 32.6538 \rangle$$

PHOTO STAND VOLUME TABLE OF PINUS SPP.

UNIT : m³/ha

(MEAN HEIGHT) < H >	N (TREE CLASS NUMBER)					
	1	2	3	4	5	6
2			19.967		42.383	64.800
3			16.037	38.454	60.870	83.287
4		12.108	34.524	56.941	79.357	101.774
5	8.178	30.595	53.011	75.428	97.844	120.261
6	26.665	49.081	71.498	93.915	116.331	138.748
7	45.152	67.568	89.985	112.401	134.818	157.235
8	63.639	86.055	108.472	130.888	153.305	175.721
9	82.126	104.542	126.959	149.375	171.792	194.208
10	100.613	123.029	145.446	167.862	190.279	212.695
11	119.100	141.516	163.933	186.349	208.766	231.182
12	137.587	160.003	182.420	204.836	227.253	249.669
13	156.074	178.490	200.907	223.323	245.740	268.156
14	174.560	196.977	219.394	241.810	264.227	286.643
15	193.047	215.464	237.880	260.297	282.714	305.130
16	211.534	233.951	256.367	278.784	301.201	323.617
17	230.021	252.438	274.854	297.271	319.687	342.104
18	248.508	270.925	293.341	315.758	338.174	360.591
19	266.995	289.412	311.828	334.245	356.661	379.078
20	285.482	307.899	330.315	352.732	375.148	397.565

$$V_e = 18.4871H + 22.4167N - 106.673$$

$$V = 0.999997V_e + 0.000396729$$

$$< V = 18.486945H + 22.416533N - 106.67328 >$$

N (TREE CLASS NUMBER)	NUMBER OF TREES PER HECTARE
1	- 500
2	500 - 1000
3	1000 - 2000
4	2000 - 3000
5	3000 - 4000
6	4000 -

Tableau 3.

Production de bois
et de produits forestiers

FOREST PRODUCTS PRODUCTION ACHIEVEMENTS (4-1)

Subdivision: TABARKA

Year	Cork qt	Timber		Total m ³	Fuelwood m ³	Charcoal ton	Triturate m ³	Pole and post m ³	Branch, stump, etc. m ³
		Pinus	Eucalyptus						
1982	10476.28			11	1200			314	
1983	14399.12			16	1240			94	
1984	18942.26		Pinus	-	2050			381	
1985	10655.63		Eucalyptus	1952	2560			386	
1986	25030.01			1177	1160			273	
1987	20657.55			3663	2575			389	
1988	17840.00			105	1916	806	915	132	137
1989	18892.91			274	9412	689	2508	441	8534

Note : qt = quintal (1 qt = 100 kg)

FOREST PRODUCTS PRODUCTION ACHIEVEMENTS (4-2)

Subdivision: AIN DRAHAM

Year	Cork	Timber				Fuelwood	Charcoal	Trituratum	Post
		Pinus	Eucalyptus	Chêne zéen	Total				
1982	qt 17527.05	m ³ 0	m ³ 11	m ³ 8	m ³ 19	st 6284	st 0	st 0	posts 9600
1983	19387.21	0	0	0	0	7187	0	0	2655
1984	28380.68	0	0	0	0	9055	0	0	4105
1985	28395.18	0	0	0	0	4189	0	0	5011
1986	27340.00	0	0	2	2	3687	0	0	2760
1987	29956.20	0	0	0	0	5028	0	0	7100
1988	33252.59	238	9	0	247	2530	0	295	9400
1989	27607.07	392	0	4	396	2688	0	1238	19150

FOREST PRODUCTS PRODUCTION ACHIEVEMENTS (4-3)

Subdivision: FERNANA

Year	Cork	Timber					Fuelwood	Charcoal	Pole and post
		Pinus	Eucalyptus	Chêne zéen	Chêne-liege	Total			
1982	18106.38	0	0	0	628	628	0	135	
1983	12025.25	0	0	0	160	160	0	28000	
1984	8374.50	1792	0	0	1152	1452	0	9780	
1985	6687.33	428	0	0	1732	1732	0	6339	
1986	16516.45	15	0	0	1670	1841	351	4508	
1987	11854.44	9	0	0	1457	1703	160	1940	
1988		0	0	0	947	1754	0	28689	
1989	10485.30	731	0	0					

FOREST PRODUCTS PRODUCTION ACHIEVEMENTS (4-4)

Subdivision: GHARDIMAOU

Year	Cork qt	Timber			Fuelwood m ³			
		Pinus	Eucalyptus	Chêne zéen				
1982	8756.68				m ³			
1983	6262.93							
1984	4496.15		Chêne zéen					
1985	13614.70		Chêne-liège		6782	2456		
1986	10756.44		Eucalyptus		2200	1010		
1987	14686.30		etc.		5925	4508		
1988	18656.26				8047	4216		
1989	7100.50				2789	2035		

Tableau 4.

Réalisation du reboisement

PLANTATION ACHIEVEMENTS (5-1)

Subdivision: TABARKA

Year	Species	Area ha	Spacing	Site preparation	Planting method	Former vegetation	Purpose of plantation	Tending
1982	Pinus pinaster, Pinus pinea, Eucalyptus camaldulensis, etc.	17			pot planting	shrub	conservation, production	
1983		136						
1984		122						
1985		70						
1986		40						
1987		100						
1988		119						
1989	Chêne-liège, Chêne zéen, Pinus pinaster, Acacia*	332		planting hole	direct sowing, pot planting		* pastoral	

PLANTATION ACHIEVEMENTS (5-2)

Subdivision: AIN DRAHAM

Year	Species	Area ha	Spacing m	Site preparation	Planting method	Former vegetation	Purpose of plantation	Tending
1962	PP, PM, PR	59	2	planting hole	pot planting except 5 ha of direct sowing	shrub	conservation, production	
1963	PM, PR, PA	79					production	
1964	PM, PR, Eu, AC	168					conservation, production	
1965	PM, PR, Eu, AC	104					production	
1966	PP, PM, PR, Eu	277					conservation, production	
1967	PP, PM, PR, PA, Eu	181					conservation, production	
1968	PP, PM, PR, PA etc.	509					conservation, production, experimentation	
1969	PP, PM, PR etc.	264					production, experimentation	
1970	PP, PM	306					conservation, production	
1971	PP, PM, PR, Eu etc.	422					conservation, production, experimentation	
1972	PP, PM	348					conservation, production	
1973	PP, PM	288					conservation, production	
1974	PP, PM	202					conservation, production	

PLANTATION ACHIEVEMENTS (5-3)

Subdivision: AIN BRAHAM

Year	Species	Area	Spacing	Site preparation	Planting method	Former vegetation	Purpose of plantation	Fending
1975	PP, PM	308 ha	2 ^m	planting hole	pot planting except 5 ha of direct sowing	shrub	conservation, production	
1976	PP, PM	252					conservation, production	
1977	PP, PM, PR, Eu	261					conservation, production	
1978								
1979	PP, PM	22					production	
1980								
1981	PP, PM	40					production	
1982								
1983								
1984		20					production	

<LEGEND>

Ac:Acacia
 Eu:Eucalyptus
 PA:Pinus halepensis
 PM:Pinus pinaster
 PP:Pinus pinea
 PR:Pinus insignis

PLANTATION ACHIEVEMENTS (5-4)

Subdivision: FERNANA

Year	Species	Area ha	Spacing m	Site	Planting method	Former vegetation	Purpose of plantation	Tending
1984	Populus, Pinus pinea, Cupressus	140	2	manual	pot planting	bare land, shrub, farm land	production	
1985	Pinus pinea, Pinus halepensis, etc.	152	2			shrub, bare land		
1986	Pinus pinea, Pinus halepensis, Acacia	259	2			shrub		
1987	Populus, Cupressus	161	2.5			bare land		
1988	Populus, Pinus pinea, Pinus halepensis, Acacia, etc.	235	2.5			bare land, shrub		
1989	Pinus pinea, Pinus halepensis, Populus, etc.	245	3.5			shrub, bare land, Eucalyptus	production, conservation	

PLANTATION ACHIEVEMENTS (5-5)

Subdivision: GHARDIMAOU

Year	Species	Area ha	Spacing m x m	Site preparation	Planting method	Former vegetation	Purpose of plantation	Tending
1982	Pinus halepensis	181	2 x 2	terracing	pot planting	grassland, shrub	conservation, production	weeding to sprinkle water, removal of shrub
1983		110	2 x 2					
1984	Pinus pinea	130	2 x 2					
1985	Acacia	153	2 x 2					
1986	Eucalyptus	110	2.5 x 2.5					
1987	Populus	101	2.5 x 2.5					
1988	Cirratonia	147	3 x 3					
1989	Fraxinus	442	3 x 3					

Tableau 5.

Résumé de l'enquête

Résumé des Résultats de l'Enquête

Les réponses à chaque question posée dans le cadre de la présente enquête sont résumées ci-après.

1 Répartition des Personnes Interviewées par Age						
moins de 20 ans	20-29 ans	30-39 ans	40-49 ans	50-59 ans	plus de 60 ans	total
3	4	8	14	26	30	85
(dont 1 fille)		(dont 1 femme au foyer)				
2 Répartition par Occupation						
Agriculteur				24		
Eleveur				2		
Journalier				30		
Maçon				3		
Epicier				4		
Gardien de forêt, d'école				7		
Femme au foyer				1		
Berger (mineur)				2		
Néant, chômeur				9		
Autres				2		
Sans réponse				1		
Total				85		

3 Structure Foncière		
Terres agricoles	:possession	82
	:possession+location	2
	:néant	1
Prairies artificielles (y compris les jachères et les syllas cultivés)	:possession	25 (superficie totale pour 24 personnes :28,25 ha =1,18 ha/personne)
	:location	0
	:néant	60
Parcours	:possession+location +droit d'usage	1
	:possession +droit d'usage	10
	:location +droit d'usage	1
	:droit d'usage	65
	:néant, sans réponse	8
	(Pour la superficie, seulement une partie des personnes ont répondu. D'après ces réponses, elle varie de 0,5 à 3 ha.)	
4 Forme de l'Elevage (nombre total des propriétaires de cheptel: 77)		
Elevage dans le gourbi	:	5
Elevage en paturage	:	72

5 Moyen de Labour	
Motoculteur	: 6
Motoculteur+animal	: 9
Motoculteur+manuel	: 2
Animal	: 20
Animal+manuel	: 25
Motoculteur+animal +manuel	: 10
Manuel	: 12
Sans réponse	: 1
6 Utilisation d'Engrais Chimiques	
Oui	: 74
Non	: 8
Sans réponse	: 3
-Consommation annuelle moyenne	
Phosphates : 2.5315 kg pour 70 personnes (excepté 4 qui n'ont pas précisé la consommation) = 361,6 kg/personne	
Ammonitres : 2.2315 kg pour 70 personnes = 318,8 kg/personne	

7 Combustibles Utilisés

Bois+charbon+gaz	: 1
Bois	: 42
Bois+gaz	: 40
Charbon	: 0
Gaz	: 2

-Manière d'acquisition du bois

Achat	: 7
Ramassage	: 39
Achat+ramassage	: 37

-Volume moyen du bois acheté par an (pour 36 personnes sauf celles qui n'ont pas précisé le volume)

427 stères/36personnes = 11,9 stères/personne
(prix : 2,00 DT/1 stère + frais de transport)

-Volume moyen du bois ramassé : inconnu

-Consommation mensuelle moyenne de gaz (pour 39 personnes sauf celles qui n'ont pas précisé la consommation)

37,9 bouteilles/39 personnes
= 0,97 bouteilles/personnes (1 bouteille = 18 kg)
(prix : 3,20 à 4,20 DT suivant les frais de transport)

8 Usage des Produits Agricoles

Consommation domestique: 57

Consommation domestique

+ usage commercial : 23

Sans réponse : 5

-Espèce de produits (plusieurs réponses admises)

Céréales (blés, orges, avoines) : 60

Légumineuses (fèves, pois chiches) : 64

Légumes (pommes de terre, piments,
tomates, oignons, etc) : 53

Tabacs : 5

Fruits (olives, poires, cerises,
figues, pommes) : 40

Sans réponse : 2

La plupart des personnes n'ont pas précisé la quantité de produits et le revenu provenant de la vente de ces produits.

9 Problèmes Actuels à Résoudre en Priorité

La question: "Quels sont les problèmes que vous désirez résoudre en priorité? Citez-en plusieurs" a été posée à 66 personnes à la fin de chaque interview. Les réponses à cette question sont les suivantes:

-construction d'installations d'eau (puis, voie d'eau, etc.)	: 51
-installation de lignes électriques	: 42
-aménagement de pistes carrossables	: 32
-dispensaire trop loin de leur domicile	: 23
-école trop loin de leur domicile	: 22
-chômage, peu d'occasion de travail	: 18
-amélioration des moyens de transport	: 13
-mesures contre l'érosion	: 11
-amélioration des conditions d'habitation	: 3
-création de coopératives agricoles	: 2
-aménagement de périmètres irrigués	: 2
-manque de fourrage	: 2
-difficultés d'acquisition des engrais	: 2
-assistance pour les moyens de labour	: 1
-autorisation pour la culture des clairières forestières	: 1
-ouverture de zones mises en défens	: 1

Tableau 6.

Occupation du sol actuelle
(par Série et Parcelle)

Superficie de l'occupation du sol actuelle

Série : OUCHTATA

Parcelle	Domaine forestier																Non domaine forestier	Grand total						
	Forêt								Non Forêt															
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T	I			R	S	E	U	Total partiel	Total
1	16,22		22,91							39,17	1,00		5,99								6,99	46,16		
2	26,69		11,47	3,24						41,40												41,40		
3	15,72	4,99		2,00		62,12				84,83												84,83		
4	7,99		6,99			29,19				44,17												44,17		
5	29,94	7,98	3,24							41,16												41,16		
6	12,47	8,98				15,47				36,92												36,92		
7	12,48		15,72			13,72				39,92												39,92		
8	40,91		40,92							81,83												81,83		
9	24,20	3,74	4,99							32,93												32,93		
10	18,21	24,45								42,66												42,66		
11	27,94	30,93								58,87												58,87		
12	34,18		40,41							74,59												74,59		
13	14,47		5,98							20,45												20,45		
14	40,66		47,90							88,56												88,56		
15	54,88	5,74	7,73							68,35												68,35		
16	47,14	13,72	9,73							70,59												70,59		
17	37,17		16,71							53,88	2,74										2,74	56,62		
18	24,70		22,70							47,40												47,40		
19										0						13,47					13,47	13,47		
20	21,95		21,25	25,19						48,39	7,24											7,24	55,63	
21	35,67		5,99	7,23						48,89												48,89		

Parcelle	Domaine forestier															Non domaine forestier	Grand total													
	Forêt							Non Forêt							Total															
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A				T	I	R	S	E	U	Total partiel						
22	58.38		11.48	5.49																			75.35							
23	26.19		40.66																				66.85							
24	59.63		11.72																				71.35							
25	76.33																						76.33							
26	64.11		1.50	8.48																			74.09							
27	65.11																						65.11							
28	61.61			14.22																			75.83							
29	55.88			10.97																			66.85							
30	39.67																						39.67							
31	14.72			2.74																			17.46							
Total	1063.22	101.53	331.04	79.56	120.50																		1694.85	10.98	5.99	13.47	30.44	1735.29	971.88	2717.17

Parcelle	Domaine forestier													Non domaine forestier	Grand total							
	Forêt						Non Forêt						Total partiel.									
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel.	C	V				O	A	T	I	R	S	E
1	18.29		12.78							31.07												31.07
2	53.37									53.37												53.37
3	26.81			18.99						45.80												45.80
4	30.56		15.29							45.85												45.85
5	19.29		33.57							52.86	7.77										7.77	60.63
6	48.86		13.28							62.14	2.25										2.25	64.39
7	30.07			2.50						32.57	34.05										34.05	56.62
8	23.05		32.82							55.87	10.77										10.77	66.64
9	44.86		3.01	26.31						74.18	5.51										5.51	79.69
10	17.79		20.80	1.75					30.57	70.91	7.27										7.27	78.18
11	33.83			11.78						45.61	1.75										1.75	47.36
12	18.80			16.28						35.08	4.26										4.26	39.34
13	32.83		14.03	9.77						56.63	30.57					6.01					36.58	92.21
14	42.35			41.85						84.20												84.20
15	35.08			1.25						36.33						1.75					1.75	38.08
16	74.91		3.26	15.79						93.96	50.10										50.10	144.06
17	43.10		23.81							66.91	5.76										5.76	72.62
18	59.64		45.61							105.25	6.76										6.76	112.01
19	22.55									22.55	0.50										0.50	23.05
20	27.82			8.02						35.84						1.00					1.00	36.84
21	15.04			20.80						35.84												35.84

Parcelle	Domaine forestier																	Non domaine forestier	Grand total				
	Forêt										Non Forêt						Total						
	CL	CZ	MI	MII	PN	PA	Bu	Cy	Ac	Total partiel	C	V	O	A	T	I				R	S	E	U
22	31.07		17.04							48.11	2.51										2.51	50.62	
23	38.34		23.05							61.39	2.76					3.51					6.27	67.66	
24	43.34									83.34	37.08										37.08	80.42	
25	87.45									87.45												87.45	
26	62.65									62.65	16.29										16.29	78.94	
27	38.59	23.80					9.27			71.66						1.25					1.25	72.91	
28	71.42									71.42						11.78					11.78	83.20	
29	80.44						7.27			87.71	13.03										13.03	100.74	
30	16.28		19.79				1.50			37.57	13.78										13.78	51.35	
31	28.06		13.03							41.09	1.75										1.75	42.84	
32	38.09		25.86							63.65	4.26					1.00					5.26	68.91	
33	75.94		2.25				17.53			95.72	28.06										28.06	123.78	
34	29.56						7.52			37.08	34.58										34.58	71.66	
35	21.04		3.01				1.25			25.30	29.07			2.26							31.33	86.63	
36	19.80						1.50			21.30				1.00							3.00	24.30	
37	26.33		13.53							49.86				0.75							0.75	50.61	
38	31.82									31.82	8.27										8.27	40.09	
39	41.85		24.81							66.66	3.51										3.51	70.17	
40	25.82						6.77			42.59	8.52										8.52	51.11	
41	45.61									45.61	5.01										5.01	50.62	
42	25.06		8.02							33.08	30.06										30.06	63.14	

Superficie de l'occupation du sol actuelle

Série : AMDOUN I

Parcelle	Domaine forestier														Non domaine forestier	Grand total								
	Forêt							Non Forêt																
	CL	C2	MI	MII	PN	PA	Bu	Cy	Ac	Total partiel	C	V	O	A			T	I	R	S	E	U	Total partiel	Total
43	48.65									62.65	19.00										10.00	78.65		
44	60.89		2.51							63.40	1.00										1.00	64.40		
45	14.53	27.31								41.84												41.84		
46	19.99	32.57								52.56	9.27										9.27	61.83		
47	17.04	17.79								34.83												34.83		
48	46.86									46.86												46.86		
49	47.86									47.86												47.86		
50	32.57									32.57												32.57		
51	62.65									62.65												62.65		
52	30.57		15.54							46.11	7.77										7.77	53.88		
53	72.68		20.05							92.73	1.00										1.00	93.73		
54	19.30		10.02							29.32	14.04										14.04	43.36		
55	43.60		4.01							47.61	18.54										18.54	66.15		
56	55.88		3.26							59.14												59.14		
57	32.83			19.54						52.37	1.50										1.50	53.87		
58	64.88		0.50	18.54						83.92	27.05				1.50						28.55	112.47		
Total	3215.05	106.47	453.06	235.76		30.57			3135.91	486.03			4.01		29.80						59.80	3655.71	187.16	3842.91

Superficie de l'occupation du sol actuelle

Série : AMDOUN II

Parcelle	Domaine forestier														Non domaine forestier	Grand total						
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A			T	I	R	S	E	U
1	97.85		25.22	3.50						126.57											126.57	
2	76.64			9.74		11.99				98.37	2.50										2.50	100.87
3	53.93					81.38				135.31	2.00										2.00	137.31
4	40.94		12.73	0.75		28.46				82.88	42.84				4.74						47.68	130.51
5	72.40			4.50		14.23				91.13	8.49										8.49	89.62
6	60.92		56.93			22.96				140.31	4.74										4.74	145.05
7	46.44			30.21						76.65	26.71		0.25								26.96	103.61
8			10.49	49.93						60.42	20.23										20.23	80.65
9	38.45		11.99	57.17						107.61	4.25										4.25	111.86
10	38.45		40.20	3.25						82.90	84.39										84.39	167.29
11	21.98			6.49						28.47	104.86										104.86	133.33
12	25.22		11.23	12.23						48.68	6.24										6.24	54.92
13	22.93			50.93						73.66	86.37										86.37	160.03
14	40.69					6.99				47.68				17.73							17.73	65.41
15	51.93					29.96				81.89	1.75										1.75	83.64
16	87.14			84.13						171.27	44.19										44.19	215.46
17	26.46			3.25						29.71	22.47				2.50						24.97	52.18
18	34.97					23.46				48.43	1.50										1.50	49.93
19						50.18				50.18												50.18
20	3.00					24.97				27.97												27.97
21	24.21			40.20						64.41	93.14										23.14	147.55

Superficie de l'occupation du sol actuelle

Série : AMDOUN II

Parcelle	Domaine forestier																	Non domaine forestier	Grand total			
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I	R			S	E	U
22	30.210					18.47				48.67	6.49										6.49	51.16
23	58.41			32.96			2.50			93.87	64.91										64.91	158.78
24	23.47		6.74	11.24						41.45	42.44					9.24					51.68	93.13
25	15.49			2.50						17.99	39.20					33.20					72.40	90.39
26				39.69						39.69	11.49						48.68				60.17	99.86
27	131.09			71.15						202.24	67.16			4.99		36.47					102.62	310.86
28	97.86		5.24	23.72						126.82	11.99					2.50					144.9	141.31
29	75.64		20.72	35.45						131.81	42.19					3.74					51.83	183.74
30	117.09					34.22				141.31											141.31	
31	78.88									78.88												78.88
32	84.14			166.27						250.41	80.38						9.49				89.87	340.28
33				125.33						125.33	112.85										112.85	238.18
34	73.40			33.70						107.10	21.22					6.99					28.21	135.31
35	76.40			54.43						130.83	86.64					24.47					111.11	241.94
36	95.63			5.24						100.87	85.89			1.75		3.50					91.14	192.01
37	90.13									90.13	7.49										7.49	97.62
38	61.04			14.98						76.42	88.13										88.13	164.56
39	25.47		4.24	87.13						116.84	9.24										9.24	126.08
40	29.46			79.14						108.60	290.35	1.25				26.71	11.23				329.14	438.14
41	32.46			45.17						77.63	123.08										123.08	200.73
42	21.48			34.70						56.18	146.34										116.34	172.52

Parcelle	Domaine forestier																				Non domaine forestier	Grand total	
	Forêt										Non Forêt												
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total parciel	C	V	O	A	T	I	R	S	E	U			Total parciel
43	899			15104						18003	3846									3846	17944		
44	3045			1997						5042	5118									5118	10180		
45	6714			12458						19192	7289				1418					9337	28504		
Total	17180.07			205.53	1514.69					4239.76	2039.38	1225	625	5710	18627	7989				2303.68	16543.44	1145.39	17702.23

Parcelle	Domaine forestier																	Non domaine forestier	Grand total			
	Forêt										Non Forêt						Total					
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I				R	S	E
1				5.00		17.53	10.51				33.04	1.50		5.26					2.75	15.02	34.53	57.57
2	15.26			13.76		40.30					69.32					1.75					1.75	71.07
3	6.26		10.76			14.77	7.51				39.30			1.50							1.00	40.30
4			33.29			26.78	9.26				69.33	19.77					2.25				2.25	71.35
5	4.25			45.31		7.01					56.57											56.57
6	18.28			28.54							46.82											46.82
7				41.05		1.25	5.26				47.56						2.00				2.00	49.56
8				8.26		39.54	2.75				50.55			1.50							1.50	52.05
9						25.53	32.79				58.32	3.25					5.51				8.76	67.08
10							21.78				21.78						5.51				5.51	27.29
11	1.00					25.53	4.51				31.04											31.04
12	1.75					24.28	2.103				47.06						6.26				6.26	53.32
13	9.76					47.06					56.82											56.82
14	14.52					14.27	7.51				36.30											36.30
15						28.77	57.82				86.59											86.59
16						20.01	15.76				35.77	3.25									3.25	39.02
17	14.91			1.75	3.75	32.40					52.81											52.81
18						40.80					40.80	1.00									1.00	41.80
19	12.01					31.55					43.56											43.56
20						65.83					65.83											65.83
21	7.26			4.00		35.05					46.31											46.31

Parcelle	Domaine forestier														Non domaine forestier	Grand total						
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	CY	AC	Total partiel	C	V	O	A			T	I	R	S	E	U
22	8.75					31.79								40.54								40.54
23	14.51					23.03								37.54								37.54
24	40.31													40.31								40.31
25	11.01		1.25											12.26								12.26
26	22.53		1.00	6.76				4.26						34.55								34.55
27	37.29			14.77										52.06								52.06
28	2.75					31.79								34.54								34.54
29	26.29			12.52										38.81								38.81
30	26.03			10.76										36.79								36.79
31	7.11					32.44								39.55								39.55
32	13.84					42.38								56.22								56.22
33	26.28			7.01		23.28								56.57								56.57
34	25.54		2.50			23.52								51.56								51.56
35	14.27			4.50										18.77								18.77
36	8.01			5.26		13.52								26.79								26.79
37	11.76		3.50	5.01		10.26								30.53								30.53
38	34.04		3.00	17.02										54.06								54.06
39	25.28			12.01										37.29								37.29
40	61.82			31.04										92.86								125.2
41	29.28													29.28								29.28
42	36.29													36.29								36.29

Parcelle	Domaine forestier																	Noc domaine forestier	Grand total		
	Forêt							Non Forêt													
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	I	R	S			E	U
43	10.76		9.76	5.76						26.28	26.03			4.75	1.75					32.53	88.81
44	42.05		2.102							63.07	23.77									23.77	86.84
45	62.84	4.00								66.84	2.25	2.00								4.25	71.09
46	52.80	8.01		9.01						69.82	20.77									20.77	90.59
47	48.31			3.00						51.31	17.76									17.76	69.07
48	30.54			7.26		2.25				40.05	12.26				3.25					15.51	55.56
49	24.77	17.53		2.50						44.80	8.01									8.01	52.81
50	6.51	22.78								35.29											35.29
51	12.77	17.77	4.26							36.80					8.76					8.76	45.56
52	10.01	16.27	0.75							27.03											27.03
53	26.53	9.01	3.25							38.79											38.79
54	22.53			11.51						34.04	4.00				4.50					8.50	42.54
55	13.26		29.04							42.30					4.50					4.50	46.80
56	38.04									42.29	5.00									5.00	47.29
57	25.28	10.01	22.50							63.82	2.00									2.00	65.83
58	31.29	7.26	20.53							59.08	1.00									1.00	60.08
59	6.25		13.27	3.25						22.77	5.51									5.51	28.28
60	12.01	13.77		1.50						27.28											27.28
61	24.03	23.28								47.31											47.31
62	35.03	18.27		1.50						57.05											57.05
63				9.01						9.01											9.01

Parcelle	Domaine forestier																			Grand total		
	Forêt									Non Forêt									Total		Non domaine forestier	
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I	R	S				E
64			71,84							71,84	2,00										2,00	73,84
65	39,55		22,13	10,26		4,00				77,94	12,17										12,17	96,11
66	22,28									22,28	6,75										6,75	29,03
67	23,03		6,26							29,29	0,50										0,50	29,79
68	44,80					1,00				45,80	1,50										1,50	47,35
Total	1253,62	175,96	302,11	327,88		781,77	203,00			3044,36	179,17	2,00	12,51	1,75	22,76	215,83	2,75	1,50	279,49	3221,83	289,87	4180,90

Parcelle	Domaine forestier																Total partiel.	Total forestier	Grand total					
	Forêt								Non Forêt															
	CL	CZ	MI	MI	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I				R	S	E	U	
1	14,97		41,92																		56,89			
2	20,21		29,44																			49,65		
3	2,00		11,73	67,37																		81,10		
4	16,96		30,69	26,45																		74,10		
5	13,47		18,96	9,73																		42,16		
6			5,99		14,22																	20,21		
7	3,99		3,74		29,70																	37,43		
8	27,20		9,88																			37,18		
9	58,89		2,50	3,74		0,50							1,00									66,63		
10	52,90			13,48																		66,38		
11	29,69		2,74																			32,43		
12	67,12																					67,12		
13	17,72		6,24	2,99																		26,95		
14	33,93																					33,93		
15	39,43		9,73			1,50																50,66		
16	21,46		3,49			8,24																33,19		
17	46,16		10,99																			57,15		
18	43,42		3,74																			47,16		
19	29,20		19,46													4,99						46,66		
20	20,21		17,22	5,24		6,00																48,67		
21			6,49			34,00	1,50															32,19	1,25	

Parcelle	Domaine forestier																	Non domaine forestier	Grand total					
	Forêt							Non Forêt																
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total parcelle	C	V	O	A	T	I	R			S	E	U	Total parcelle	Total
22	6.74						70.11				76.85	2.50									2.50	79.35		
23	14.90		8.73	1.75		25.53		0.75			51.66	3.00									3.00	54.66		
24	12.22		15.47	18.96		2.00					48.65	8.73	3.99								12.72	61.37		
25	17.97			8.49							26.46	1.25									1.25	27.71		
26	19.22			22.71		0.50					42.43											42.43		
27	22.96		36.68								59.64					5.49					5.49	65.13		
28	7.99			37.43							45.42	3.24									3.24	48.66		
29				19.71							19.71											19.71		
30	37.68	39.18	3.99								80.85											80.85		
31	63.87	2.25	7.74								73.86	9.49									9.49	83.35		
32	17.97		10.23			13.47					41.67					1.25					1.25	42.92		
33	27.44					4.99					32.43	4.74									4.74	37.17		
34	18.96		32.94								51.90											51.90		
35	43.67		12.73								56.40											56.40		
36	9.73		5.24			4.74					19.71											19.71		
37	24.95		4.49			21.46					50.90											50.90		
38			2.00			10.48					12.48											12.48		
39	3.74					46.66					50.40	0.50									0.50	50.90		
40	3.24		3.24			27.20					33.68											33.68		
41	2.00		11.23			25.70					38.93	1.00									1.00	39.93		
42	45.41		1.25	2.50							49.16	25.46										25.46	74.62	

Parcelle	Domaine forestier															Non domaine forestier	Grand total							
	Forêt								Non Forêt															
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T			I	R	S	E	U	Total partiel	Total
43	44.66				20.96				65.62	2.00							1.50		2.25	5.75	71.37			
Total	1002.25	41.43	371.00	240.55	247.61	110.55	2.25		2035.64	63.16	4.99				11.73	1.50		4.75	2613	2121.77	2384.80	4506.27		

Parcelle	Domaine forestier														Non domaine forestier	Grand total							
	Forêt							Non Forêt															
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A			T	I	R	S	E	U	Total partiel
1	5.51		5.01	29.54										40.06	6.51							6.51	46.57
2	19.28			21.78		8.51								49.57									49.57
3	14.27			5.26		14.02								33.55	1.50							1.50	35.05
4	14.27			5.51		36.81								56.59	3.00							3.00	59.59
5				11.27		30.55								41.82				7.26				7.26	49.08
6	6.26			16.52										22.78									22.78
7	52.58			8.01										60.59									60.59
8	33.05													33.05									33.05
9	24.53			3.76		56.84								85.13								7.51	92.64
10	15.27			12.02		13.52								44.57	2.00							2.00	46.57
11	40.81			19.03										59.84									59.84
12	34.30			28.04		15.02								77.36								2.00	79.36
13	33.55													38.06									38.06
14	40.81			13.27										54.08									54.08
15	42.31			4.76										47.07									47.07
16	31.54					5.01								36.55									36.55
17	10.51					8.01								18.52									18.52
18	16.53					6.51								40.32									40.32
19	24.54			19.78										44.32									44.32
20	34.28			16.52										50.80									50.80
21	23.29			1.50		2.50								27.29	2.00							2.00	29.29

Superficie de l'occupation du sol actuelle

Série : MEKNA IV

Parcelle	Domaine forestier																	Non domaine forestier	Grand total				
	Forêt							Non Forêt															
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T	I	R			S	E	U	Total partiel
22	39.31	10.02	25.04	2.75						77.12												77.12	
23	15.02		15.27	3.51		0.38	0.38			34.56				6.26		3.76					10.02	34.57	
24	36.31									36.31	1.50					4.76					6.26	42.57	
25	11.52		11.97							23.29				0.75							0.75	24.04	
26	23.28		7.01							30.29	1.25										1.25	31.54	
27	60.33		11.01	12.77						84.11												84.11	
28	2.50			3.00			11.52			17.02												17.02	
29	25.04			5.51			3.25			33.80												33.80	
30	28.29	3.51	12.26							44.06												44.06	
31	23.29	6.26	25.28							54.83												54.83	
32	30.29	16.52	9.76							56.57						8.51					8.51	65.08	
Total	812.67	84.13	214.80	156.98		170.15	15.15			1453.88	17.76			7.01		32.80					58.57	1512.45	
																						551.33	2063.78

Superficie de l'occupation du sol actuelle

Série : MEKMA V

Parcelle	Domaine forestier														Non domaine forestier	Grand total						
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A			T	I	R	S	E	U
1	18.74		19.99								38.73											38.73
2	29.73										29.73											29.73
3	56.96										56.96											56.96
4	46.47		22.99								69.46											69.46
5	59.21		47.47								106.68											106.68
6	49.66		2.00	6.50							58.16											58.16
7	60.71	2.25									62.96	5.25									5.25	68.21
8	19.74		2.25			37.72					59.71											59.71
9	35.73		3.25		12.34						51.22											51.22
10	58.46										58.46											58.46
11	29.99		4.75		36.22						70.96											70.96
12	44.22				23.98						68.20											68.20
13	41.73		8.00			69.70					49.73	2.50									2.50	52.23
14			2.50								72.20	4.25									4.25	76.45
15	9.24		1.50	1.75		38.47					50.96											50.96
16	22.73		16.73								39.46											39.46
17	25.73			43.72							69.45											69.45
18	39.22		1.50	1.49							52.21	7.50									7.50	59.71
19	54.46			1.50							55.96	10.24									10.24	66.20
20	2.25		9.49		56.21						67.95											67.95
21					80.94						80.94											80.94

Parcelle	Domaine forestier																				Non domaine forestier	Grand total					
	Forêt										Non Forêt																
	CL	CZ	MI	MT	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T	I	R	S	E	U			Total partiel				
22	1599									5146	250										6945						6945
23	4547		250							1574											6471						6471
24	4147		2149						874		1124										5871	175					14165
25	3848								2373												6221	245					6496
26	6870								924	250											7994						7994
27	4497								625	550											5622						5622
28	4347								1874	475											6696						6696
29	5346																				5346						5346
30	3547								1899												5446	100					6496
31	4747																				5771						5771
32	7270								2498												9768						9768
33	6545								1774												8319	1449					9943
Total	1278,08	2,25	253,60	128,17		423,68	13,24		2,099,02	104,94											117,94	2,216,96					2216,96

Parcelle	Domaine forestier																	Non domaine forestier	Grand total				
	Forêt										Non Forêt												
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I	R			S	E	U	Total partiel
1	3.00					59.79																	62.79
2						28.52																	28.52
3						56.79																	56.79
4						27.77																	27.77
5				5.75		36.79																	42.54
6	40.79			7.51		3.75																	52.05
7	22.01			8.01	1.50	1.25																	32.77
8						26.02																	26.02
9						60.79																	60.79
10						38.52																	38.52
11	31.52			6.25																			37.77
12						18.26																	18.26
13	23.02																						23.02
14	39.28			8.26	20.51																		68.05
15	13.76			9.01																			22.77
16	40.03			10.76	4.25																		55.04
17	31.52			6.75		9.51																	47.78
18	34.03			8.01																			42.04
19	29.27																						29.27
20	24.27																						24.27
21	38.28																						38.28

Parcelle	Domaine forestier																	Non domaine forestier	Grand total				
	Forêt										Non Forêt						Total						
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I				R	S	E	U
22	15.76																					15.76	
23	25.76		5.25			0.50																31.51	
24	49.03																					49.03	
25	24.52		21.77			2.50																48.79	
26	28.51			15.25		3.25																6.75	53.76
27	8.00		13.01																			21.01	
28	18.26		2.00	3.25																		23.51	
29	46.53																					46.53	
30	33.28																					33.28	
31	26.51	15.76																				42.27	
32	34.76																					34.76	
33	40.27	20.26																				60.53	
34	10.76	19.26								3.75												33.77	
35	8.50	17.01								2.50												28.01	
36	6.50	22.27								2.75												31.52	
37	18.01																					18.01	
38	16.01																					16.01	
39	25.02																					25.02	
40	18.51																					18.51	
41	27.77									1.50	1.75											31.02	
42	21.77										0.75											22.52	

Superficie de l'occupation du sol actuelle

Série : HOUAM DIA

Parcelle	Domaine forestier														Non domaine forestier	Grand total						
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A			T	I	R	S	E	U
43	19.01							0.25			19.26											19.26
44	18.51	16.76					2.75				38.02											38.02
45	43.28	9.51					2.75				55.54											55.54
46	28.02	8.26					3.00				39.28											39.28
47	10.25		27.97								38.02											38.02
48	12.26	9.26									21.52											21.52
49	46.79		17.52								64.31											64.31
50	11.76	11.51	18.02								41.29											41.29
51	24.52	19.27									43.79											43.79
52	25.02	8.51	3.25								36.78											36.78
53	24.53		14.76								49.29											49.29
54	20.51		9.75								30.26											30.26
55			40.78								40.78											40.78
56	29.02		6.25	11.50							46.77											46.77
57	18.02		6.25	10.26							34.53											34.53
58	101.82										101.82											101.82
59	45.28		2.25								47.53											47.53
60	12.01		10.51								22.52											22.52
61	27.52										27.52											27.52
62	39.28										39.28											39.28
63	29.02			6.50							35.52											35.52

Superficie de l'occupation du sol actuelle

Série : HOUAMDIA

Parcelle	Domaine forestier												Non domaine forestier	Grand total											
	Forêt						Non Forêt																		
	CL	CZ	MI	MI	PN	PA	Bu	Cy	Ac	Total partiel	C	V	O	A	T	I	R	S	E	U	Total partiel	Total			
64	3228			9.25						41.53												41.53			
65	4653									46.53												46.53			
66	6505			3.25						68.30												68.30			
67	1851			9.01						28.52												28.52			
Total	134.63	170.40	203.42	107.79	383.01	1.50	11.25	2522.00	6.75	6.75												6.75	2578.75	3999.99	5677.25

Parcelle	Domaine forestier														Non domaine forestier	Grand total								
	Forêt							Non Forêt																
	CL	CZ	MI	MII	PN	PA	Eu	Cy	Ac	Total partiel	C	V	O	A			T	I	R	S	E	U	Total partiel	Total
1	3938		7280			966				12184												12184		
2	5076		4457			1015				10548												10548		
3	3763									3763												3763		
4			545	1213						1758												1758		
5	4481		619	1436		2080				8616												8616		
6	3145		396							3541	520											520	4041	
7	6018		4828							10846												10846		
8	2427	470								2897												2897		
9	5522									5522												5522		
10	5546	693								6239												6239		
11	2229	4110	1238							7577												7577		
12	1684		768							2452												2452		
13	5299	2104	2699							10102												10102		
14	3714		3194							6908												6908		
15	3887	099	1288							5274												5274		
16	4160	2996								7156												7156		
17	1783	3243								5026												5026		
18	4209	4012								8221												8221		
19	1684	3739								5423												5423		
Total	68615	21466	27312	2649		4061				124103	520											520	124623	
																							842	125464

Parcelle	Domaine forestier														Non domaine forestier	Grand total						
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Bu	Cy	Ac	Total partiel	C	V	O	A			T	I	R	S	B	U
1	20.30									20.30	8.52										8.52	28.82
2	42.60		6.52							48.12	2.26					10.03					12.29	61.41
3	25.06	42.60								67.66												67.66
4	33.58	29.82								63.40												63.40
5	80.45	49.12								129.57	5.51										5.51	135.08
6	51.37	19.29								70.66	11.03										11.03	81.69
7	98.72	13.28	15.29	2.26						126.55	20.55										20.55	147.10
8	31.58	12.03	9.77							53.38	2.26										2.26	55.64
9	57.63									57.63												57.63
10	59.64	41.09								100.73	16.03										16.03	116.76
11	44.10	76.42		11.75						122.27	18.77										18.77	141.06
12	9.29	15.04								24.31												24.31
13	32.08	10.03								42.11												42.11
14	12.28	82.70								94.98												94.98
15	37.58		27.57	5.26						83.94												83.94
16	56.38									56.38	20.30										20.30	76.68
17	55.88		12.28							68.16	18.80			1.25							20.05	88.21
18	47.61									47.61	5.01										5.01	52.62
19	24.80	44.51								29.31	29.31										29.31	58.62
20	44.40	26.31								90.71	26.55										26.55	117.26
21	52.60	14.03		3.51						74.67	6.26										6.26	80.93

Parcelle	Domaine forestier													Non domaine forestier	Grand total								
	Forêt						Non Forêt																
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O			A	T	I	R	S	E	U	Total partiel
22	44.86	19.02								54.88	17.29										17.29	72.17	
23	33.57	19.30								52.87	4.26										4.26	57.13	
24	54.35			3.51		24.06				81.95	6.76										6.76	88.71	
25	93.17		12.53	1.50						87.20	3.51										3.51	90.71	
26	49.12	18.29	26.81							94.22	3.26										3.26	97.48	
27	55.13	40.09								96.22	20.55					2.03					22.55	118.77	
28	32.58	25.06		1.75						59.39												59.39	
29	9.27	32.07								41.34												41.34	
30	24.06	31.07								55.13	13.28										13.28	68.41	
31	15.79	15.54		1.50						32.83												32.83	
32	52.88	30.80	2.26	8.52						84.46	32.32										32.32	117.78	
33	12.03	29.56	59.89	1.25						102.73	12.03				4.26	2.76					19.05	121.78	
34	27.57	17.29								44.86						1.00					1.00	45.86	
Total	1420.04	695.36	172.92	30.81		42.10				2361.23	305.44		1.25		4.26	15.79					326.74	2687.97	0

Parcelle	Domaine forestier																	Non domaine forestier	Grand total			
	Forêt										Non Forêt											
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I	R			S	E	U
1	12.79	55.15	25.07							93.01												93.01
2	7.52	42.86								50.38	3.51										3.51	53.89
3	43.38	57.40								100.78	4.01										4.01	104.79
4	12.78	27.58								40.36												40.36
5	17.80	3.00								20.80												20.80
6	6.02	31.08								37.10	1.80										1.80	56.90
7	16.29	50.13								66.42	3.76										3.76	70.18
8	17.55	49.63								67.18												67.18
9	89.48									89.48												89.48
10	70.19	1.75								71.94												71.94
11	21.56	14.04	29.08							64.68												64.68
12	7.52	56.14								63.66	0.75										0.75	64.42
13	24.06									24.06												24.06
14	37.35	68.68								106.03												106.03
15	62.42		6.52							68.94												68.94
16	49.88									49.88												49.88
17	24.82	4.52	43.87							73.21												73.21
18	27.57	24.31	24.06							75.94												75.94
19	38.35	50.63								88.98	6.77											95.75
20	21.55	15.79	15.54							52.88												52.88
21	17.29									17.29												17.29

Parcelle	Domaine forestier																			Non domaine forestier	Grand total	
	Forêt										Non Forêt											
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T	I	R	S	E			U
22	35.35	40.86								76.21												76.21
23	44.62	29.08		9.02		0.75				84.47	18.54										18.54	103.01
24	24.06	8.77				21.56				54.39	6.27										6.27	60.66
25	14.28			10.13		13.29				38.60												38.60
26	6.51	18.04				16.79				41.34												41.34
27	9.53	8.02				9.98				27.53												27.53
28	8.27	9.52				9.98				28.57												28.57
29	30.33	12.53				28.58				71.44												71.44
30	16.29	3.26	2.76			20.05				42.36												42.36
31	16.04	41.35	4.01	0.50		20.56	5.76			88.22	1.50										1.50	89.72
32	7.77	3.76	20.81			18.80	1.50			52.14	15.79										15.79	67.93
Total	842.72	725.88	171.72	20.05		166.71	6.76			1,933.84	73.93										73.93	2,007.77

Parcelle	Domaine forestier																Grand total						
	Forêt								Non Forêt														
	CL	CZ	MI	MII	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T	I		R	S	E	U	Total partiel	Total
1	6.25		4.25							10.50												10.50	
2	6.75		5.75			13.01				25.51												25.51	
3	62.05	155.1	8.01			16.26				101.83												101.83	
4	57.99	36.27	7.50			7.50				109.06												109.06	
5	40.03	7.75				1.50				49.28												49.28	
6	27.27	54.99								82.06												82.06	
7	24.76	19.52				7.25				51.53												51.53	
8	31.77	5.25				21.76				58.78												58.78	
9	36.52	8.51	5.25			2.75				53.03												53.03	
10	32.53	28.02								60.55												60.55	
11	35.53	22.02	3.00							60.55												60.55	
12	7.26	6.00	13.26			6.25				32.77												32.77	
13	24.26	19.02	49.53			18.51				111.32												111.32	
14	32.27		21.26			6.00				59.53	12.00										12.00	71.53	
15	23.02	6.25	20.01			15.76				65.04					5.00						5.00	70.04	
16	18.50	15.00	13.01			4.00				50.51	14.76				1.50						1.50	56.77	
17	16.01	10.26	25.02							51.29												51.29	
18	11.26		18.51			12.26				42.03												42.03	
19	25.51	7.01	21.76			2.00				56.28												56.28	
20	16.50	9.25	37.27			5.25				68.27	2.75										2.75	71.02	
21	10.25		8.26	8.51		7.75				34.77												34.77	

Parcelle	Domaine forestier													Non domaine forestier	Grand total								
	Forêt						Non Forêt						Total partiel										
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V				O	A	T	I	R	S	E	U
22	24.50	15.52	8.25			39.28				87.55												87.55	
23	3.75		49.29			2.102				74.06	4.25				2.50							6.75	80.81
Total	574.34	285.95	319.19	8.51		208.11				1398.10	33.76			9.50								42.76	1438.86

Parcelle	Domaine forestier																	Non domaine forestier	Grand total			
	Forêt							Non Forêt														
	CL	CZ	MI	MI	PN	PA	Bu	Cy	AC	Total partiel	C	V	O	A	T	I	R			S	E	U
1	37.42		6.74	25.45		6.24				75.85												75.85
2	51.65									51.65												51.65
3	82.09					1.25				83.34												83.34
4	57.14		20.96							78.10						1.75						79.85
5	4.99		12.93	24.20						41.92												41.92
6	25.95		90.86							96.81	4.74										4.74	101.55
7	5.24		18.96							24.20	12.48										12.48	34.68
8	49.65									49.65	9.93										9.93	59.58
9	34.19	10.48	10.48							55.15						1.50					1.50	56.65
10	59.13	13.97								73.10						1.00					1.00	74.10
11	14.88	6.24	28.69	2.99						52.80	4.49					1.00					5.49	58.29
12	24.90									24.90												24.90
13	72.12									72.12	8.74										8.74	80.86
14	11.23		17.71			0.50				29.44						2.00					2.00	31.44
15	43.92		16.49			1.00				61.39	2.75										2.75	64.14
16	32.68	15.46								48.14	0.50										0.50	48.64
17	22.95	14.92		18.71						56.58	0.50										0.50	57.08
18	37.92									37.92												37.92
19	37.17		5.24	28.19						70.60												70.60
20	67.87		16.47							84.34	6.24										6.24	90.58
21	40.17									40.17	12.23										12.23	52.40

Parcelle	Domaine forestier														Non domaine forestier	Grand total							
	Forêt							Non Forêt															
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A			T	I	R	S	E	U	Total partiel
22	6737	1747								8484	13.73										13.73	98.57	
23	6064	299								6363													63.63
24	2569	2420								4989	2.25										2.25	52.14	
25	1398	5240								6638	4.50										4.50	70.88	
26	6037									6786	1.25										1.25	69.11	
27	4616									4616	3.99										3.99	50.15	
28	8433									8433	3.49										3.49	87.82	
29	3244									3244	1.50										1.50	33.94	
30	2819									3293	2.99										2.99	35.92	
31	4392									5863	4.50										4.50	64.13	
32										7335												73.35	
33	4591									5090												50.90	
34	4191									4191											1.25	43.16	
35	3194									4017												40.17	
36	2894									3792												37.92	
37	3793									3793												37.93	
38	5314									5838	4.24										4.24	62.52	
39	2395									3493												34.93	
40	4416									4666												46.66	
Total	58513	16542	25100	13422		8234			22811	102.84					8.50						111.34	2328.41	
																						557.38	2886.23

Parcelle	Domaine forestier																	Non domaine forestier	Grand total			
	Forêt							Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I	R			S	E	U
1	83.66		5.26	10.02						95.94	3.01										3.01	98.95
2	34.07		16.03							50.10	1.50										1.50	51.60
3	10.52		29.31							39.83												39.83
4	22.79		29.06							51.85					2.76						2.76	54.61
5	18.03		5.51							23.54	0.75										0.75	24.29
6	50.59					39.56				80.15					1.75						1.75	81.90
7	21.79		14.53							36.32												36.32
8	14.78		21.04							35.82												35.82
9	44.08					25.80				69.88												69.88
10	16.53					18.28				34.81												34.81
11	21.29					25.30				46.59												46.59
12	27.05		10.52			31.56				69.13												69.13
13	26.31					18.53				40.84												40.84
14	18.53					48.84				65.37	3.01										3.01	68.38
15	15.28					40.07	0.75			56.10	5.26										5.26	61.36
16	67.38		16.53			18.79				102.70	4.26										4.26	106.96
17	48.33		16.53							64.86												64.86
18	39.83		7.76							47.59												47.59
19	15.78									15.78												15.78
20	30.31		10.77							41.08	7.02										7.02	48.10
21	47.59		7.51							55.10	3.50										3.50	58.60

Parcelle	Domaine forestier																Non domaine forestier	Grand total				
	Forêt								Non Forêt													
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I			R	S	E	U
22	81.16		13.98								94.94											94.94
23	33.31		37.07	2.76							73.14											73.14
24	22.05	14.98									36.83											36.83
25	33.31									33.31	3.00										3.00	36.31
26	15.28									15.28	5.51										5.51	20.79
27	51.35	15.28								66.63	1.75										1.75	68.38
28	28.56	42.08								70.64												70.64
29	29.05	22.29								51.34	0.75										0.75	52.09
30	31.82	33.31	3.01	6.76						94.90	2.50										2.50	97.40
31	23.30	16.03								39.33	12.52										12.52	51.85
32	42.58	51.26								47.84	4.00										4.00	51.84
33	47.84	2.00				22.55	1.50			73.89	14.03										14.03	87.92
34	25.55					38.22	1.50			65.27	2.00										2.00	67.27
35	31.06		12.27			10.52				53.85												53.85
36	13.02					24.04				37.06	4.01										4.01	41.07
37	45.59									45.59						5.76					5.76	51.35
38	82.16	10.77								92.93	6.76										6.76	99.69
39	28.06		8.52							37.58												37.58
40	48.59	2.00	16.78							68.37	3.26										3.26	71.63
41	22.04	23.29	9.02	2.00						56.35												56.35
42	28.56	2.00	9.02							39.58												39.58

Superficie de l'occupation du sol actuelle

Série : CHIHIA II

Parcelle	Domaine forestier																Non domaine forestier	Grand total					
	Forêt								Non Forêt														
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I			R	S	E	U	Total partiel
43	12.02	53.60								65.62	2.50										2.50	68.12	
44	3.26	40.08								43.34	1.50										1.50	44.84	
45	17.54	24.05								41.59												41.59	
46	36.57									36.57												36.57	
47	31.81	11.52	5.76							49.09												49.09	
48	22.99		30.05							42.84												42.84	
49	33.31		35.06							68.37												68.37	
50	52.85									52.85												52.85	
51	32.56		25.29							57.85												57.85	
52	77.66									77.66	7.26										7.26	84.92	
53	80.66			2.25						82.91	6.27										6.27	89.18	
54	25.30		4.76							30.06												30.06	
55	39.32									39.32												39.32	
56	57.87									57.87												57.87	
57	64.12									64.12	7.25										7.25	71.37	
58	51.10									51.10												51.10	
59	69.13									69.13												69.13	
60	39.83									39.83												39.83	
Total	2183.46	318.34	390.75	23.79		348.16	3.75			3268.25	113.18				10.27						123.45	3391.70	47735 386705

Parcelle	Domaine forestier																Non domaine forestier	Grand total				
	Forêt								Non Forêt													
	CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I			R	S	E	U
1	60.08		2.50	4.01						66.59	1.80										1.80	67.59
2	27.77		2.75							30.54	27.29										27.29	57.83
3	69.35									69.35	10.26										10.26	79.61
4	73.10		2.75							75.85	30.28										30.28	106.13
5	31.29									31.29	2.60										2.60	33.29
6	34.55									34.55												34.55
7	60.57		2.95							63.32						1.75					1.75	65.07
8	41.57									41.57	9.51										9.51	41.08
9	27.53									27.53												27.53
10	38.30									38.30												38.30
11	15.52		9.77	1.50						26.79												26.79
12	14.77		38.30							53.07												53.07
13	17.28		13.02							30.30												30.30
14	13.77		23.03							36.80												36.80
15	31.30									31.30												31.30
16	57.33		5.01	18.77						81.11						4.25					4.25	85.36
17	70.10		10.76							80.86												80.86
18	19.03		25.53							44.56												44.56
19	20.02		22.03							42.05	4.26										4.26	46.31
20	14.27		7.76							22.03												22.03
21	25.78									25.78	3.25					4.51					7.76	33.54

Superficie de l'occupation du sol actuelle

Série : CHI/HA III

Parcelle	Domaine forestier														Total	Non domaine forestier	Grand total				
	Forêt							Non Forêt													
CL	CZ	MI	MII	PN	PA	Eu	Cy	AC	Total partiel	C	V	O	A	T	I	R	S	B	U	Total partiel	
22	42.31	2.50							44.81	6.26										6.26	51.07
23	35.05		16.27						51.32						3.50					3.50	54.82
24	50.32	39.55							105.14						3.52					3.52	108.66
25	18.03	47.81							65.84						2.50					2.50	68.34
26	10.51	25.28							35.79												35.79
Total	919.52	270.35	29.52	37.05					1256.44	94.11					2003					114.14	1370.58

