

Type of the Paper (Article)

Deforestation and biomass production in Miombo forest in Huambo (Angola): A balance between local and global needs

SUPPLEMENTARY MATERIAL

Table S1. Identified species with local, scientific names and frequency of each specie.

N.	Local name	Scientific name	Frequency (%)
1	Ossese	<i>Albizia anthunesiana</i> Harms	12.94
2	Loengo	<i>Anisophyllea boehmii</i> Engl.	5.86
3	-	<i>Bobgunnia madagascariensis</i> (Desy) J. H.	1.41
4	Ussamba	<i>Brachystegia boemii</i> Taub	7.85
5	Omanda	<i>Brachystegia spiciformis</i> Benth	12.28
6	Ossassa	<i>Brachystegia tamarindoides</i> Benth	2.97
7	-	<i>Brachystegia utilis</i>	0.41
8	Ussombiambia	<i>Cassia abbreviata</i>	0.09
9	Ondeka	<i>Combretum collinum</i> Fresen.	1.82
10	Otchindjole	<i>Diplorynchus condylocarpon</i> Mull. Arg.	0.71
11	Huku	<i>Dombeya rotundifolia</i> Hochst	0.18
12	-	<i>Ehretia amoena</i>	0.11
13	Ombangalunda	<i>Erythrina abyssinica</i> Lam. ex DC.	0.11
14	Ongungu	<i>Erythrophleum africanum</i> Benth. Harms	4.50
15	-	<i>Euclea natalensis</i>	0.32
16	Otchilavi	<i>Gardenia volkensii</i> K.Schum.	0.59
17	Ometi	<i>Hymenocardia acida</i> Tul	3.36
18	Mone	<i>Isobertia angolensis</i> Hoyle e Brenan	5.88
19	Olumue	<i>Jubernardia paniculata</i> (Benth.) Troupin	8.44
20	Ovassongombe	<i>Kraussia floribunda</i>	0.20
21	Ossui	<i>Monotes</i> spp	8.42
22	Omia	<i>Ocha schweinfurthiana</i> F. Hoffm.	3.31
23	Ondjassonde	-	0.04
24	Uchia	<i>Parinari curatellifolia</i> Planch. Ex Benth.	2.03
25	Omako	<i>Pericopsis angolensis</i> (Barker) van Meeuwen	1.80
26	Tchikuniambambi	<i>Pseudolachnostylis maprouneifolia</i> Pax	0.77
27	Girassonde	<i>Pterocarpus angolensis</i> DC	1.60
28	-	<i>Randia Kuhniana</i> F. Hoffm. Schum.	0.04
29	Upu	<i>Rothmannia engleriana</i> (K. Schum.) Keay	0.69
30	Onenge	<i>Sterculia quinqueloba</i> (Garcke) K. Schum	0.14
31	Maboque	<i>Strychnos cocculoides</i> Baker	0.05
32	Oganja	<i>Swartzia madagascariensis</i> (Taub.) Desv.	0.04
33	Akulakula	<i>Syzygium guineense</i> (Willd.) DC	4.84
34	Mueia	<i>Terminalia brachystemma</i> Weiw. Ex Hiern	2.01

N.	Local name	Scientific name	Frequency (%)
35	Tchikuliambambi	-	0.73
36	Katetembula	<i>Uapaca benguellensis</i> Muell.	1.09
37	-	<i>Uapaca gosswoileri</i> hutch	1.71
38	Lombula	<i>Uapaca kirkiana</i> Mull. Arg	0.04
39	Upandandjamba	-	0.62
40	-	N.I.	0.02

Table S2. Density, diameter at breast height (DBH), height, above-ground biomass (AGB), below-ground biomass (BGB), total biomass, volume, above-ground accumulated Carbon (AGC), below-ground accumulate Carbon (BGC), total accumulate Carbon (TC), above-ground CO₂eq (AGCO₂eq), below-ground CO₂eq (BGCO₂eq) and total CO₂eq (TCO₂eq) by plot.

Municipality	Plot	X	Y	Density	DBH	Height	AGB	BGB	TB	Volume	AGC	BGC	TC	AG CO ₂ eq	BG CO ₂ eq	Total CO ₂ eq
Bailundo	1	580972	8686332	2.832.95	7.81	4.03	122.41	52.15	174.56	67.76	57.53	24.51	82.04	210,95	89,87	300,83
Bailundo	4	577419	8729255	3.756.05	5.22	3.58	54.48	26.84	81.32	43.49	25.60	12.61	38.22	93,88	46,25	140,14
Bailundo	5	556386	8671564	3.055.77	7.64	3.73	116.57	50.13	166.70	75.60	54.79	23.56	78.35	200,89	86,39	287,28
Bailundo	6	575494	8691964	2.323.66	12.38	6.89	398.68	133.14	531.82	127.95	187.38	62.57	249.95	687,06	229,44	916,50
Bailundo	8	637600	8647390	1.909.85	7.14	3.72	79.45	37.72	117.16	49.72	37.34	17.73	55.07	136,91	65,00	201,91
Bailundo	9	617805	8664136	2.832.95	8.54	5.06	165.85	65.90	231.75	93.78	77.95	30.97	108.92	285,81	113,57	399,37
Bailundo	13	618206	8659924	3.310.42	6.19	3.80	76.89	35.60	112.49	76.68	36.14	16.73	52.87	132,50	61,35	193,86
Bailundo	18	570482	8702318	2.610.13	9.01	5.35	185.32	72.15	257.47	86.19	87.10	33.91	121.01	319,37	124,34	443,71
Bailundo	20	581334	8685843	3.310.42	6.67	3.46	86.12	39.25	125.37	57.04	40.48	18.45	58.92	148,41	67,64	216,05
Bailundo	21	578720	8724741	3.565.06	6.08	3.63	74.95	34.82	109.77	81.46	35.23	16.37	51.59	129,16	60,01	189,17
Bailundo	25	619867	8657133	3.692.39	8.14	5.30	174.49	67.46	241.95	98.83	82.01	31.71	113.72	300,70	116,26	416,96
Bailundo	27	589765	8689544	4.265.34	4.65	2.84	40.22	21.12	61.34	42.00	18.90	9.92	28.83	69,32	36,39	105,71
Bailundo	34	586132	8725486	2.610.13	4.62	2.57	29.54	16.99	46.53	26.60	13.89	7.99	21.87	50,91	29,28	80,19
Bailundo	41	544217	8688819	2.578.30	14.83	9.08	716.41	209.55	925.97	181.21	336.71	98.49	435.20	1.234,6	361,13	1.595,75
Bailundo	45	618911	8651684	5.697.73	5.31	4.12	74.60	33.58	108.18	66.67	35.06	15.78	50.84	128,56	57,86	186,42
Bailundo	47	592084	8693161	3.087.60	7.41	4.79	123.76	51.87	175.63	75.69	58.17	24.38	82.55	213,27	89,40	302,67
Bailundo	49	562011	8726247	3.405.91	8.18	5.55	173.77	67.37	241.13	93.81	81.67	31.66	113.33	299,46	116,09	415,56
Caala	11	555046	8520620	4.615.48	7.41	5.62	162.90	62.84	225.74	95.45	76.56	29.53	106.10	280,73	108,29	389,02
Caala	16	553961	8515540	3.023.94	7.28	4.64	116.12	49.41	165.53	69.45	54.58	23.22	77.80	200,11	85,15	285,26
Caala	19	540942	8515014	5.538.58	5.84	4.42	93.70	40.29	133.99	78.29	44.04	18.94	62.97	161,47	69,43	230,91
Caala	26	561875	8525037	2.801.12	9.33	5.46	209.22	79.20	288.42	186.16	98.34	37.22	135.56	360,56	136,49	497,05
Caala	28	558095	8510034	2.323.66	8.52	5.98	163.37	65.17	228.54	75.37	76.78	30.63	107.41	281,53	112,31	393,84
Caala	35	546585	8575450	2.546.47	5.10	3.39	41.58	22.10	63.68	36.56	19.54	10.39	29.93	71,66	38,08	109,74
Caala	44	551471	8519093	12.382.23	4.78	4.97	95.07	38.77	133.84	105.43	44.68	18.22	62.90	163,84	66,81	230,65
Ekunha	10	551952	8627314	4.329.00	7.66	6.26	179.39	67.77	247.17	92.07	84.31	31.85	116.17	309,15	116,80	425,95

Municipality	Plot	X	Y	Density	DBH	Height	AGB	BGB	TB	Volume	AGC	BGC	TC	AG CO ₂ eq	BG CO ₂ eq	Total CO ₂ eq
Ekunha	24	562145	8624608	3.565.06	7.18	4.86	125.01	51.85	176.86	53.66	58.75	24.37	83.12	215,43	89,35	304,78
Kacchiungo	14	659270	8544464	4.138.02	5.94	4.85	88.51	38.89	127.41	80.08	41.60	18.28	59.88	152,54	67,02	219,56
Kacchiungo	15	659451	8544115	3.278.58	7.36	5.28	131.94	54.16	186.10	78.67	62.01	25.46	87.47	227,38	93,34	320,72
Kacchiungo	23	659394	8542502	2.578.30	8.88	4.89	170.58	67.85	238.43	90.44	80.17	31.89	112.06	293,97	116,92	410,89
Kacchiungo	33	662089	8525753	4.233.51	6.23	4.76	114.80	47.17	161.97	86.28	53.96	22.17	76.13	197,84	81,28	279,13
Londuimbale	7	519406	8631739	3.469.57	6.50	4.25	92.15	40.89	133.04	56.87	43.31	19.22	62.53	158,81	70,46	229,27
Londuimbale	30	539124	8637551	3.151.26	7.88	4.76	141.84	57.91	199.75	77.53	66.66	27.22	93.88	244,43	99,81	344,24
Londuimbale	48	521055	8664385	3.565.06	7.58	5.62	150.98	59.93	210.91	78.24	70.96	28.17	99.13	260,19	103,28	363,47
Longonjo	2	517985	8552202	4.169.85	7.31	4.90	140.60	56.51	197.11	89.77	66.08	26.56	92.64	242,30	97,39	339,69
Longonjo	37	509474	8522687	3.278.58	6.15	4.43	81.31	36.96	118.26	64.70	38.21	17.37	55.58	140,12	63,69	203,81
Tchicala	3	610760	8598428	2.673.80	4.25	2.53	24.68	14.68	39.37	22.05	11.60	6.90	18.50	42,54	25,30	67,84
Tchicala	32	590020	8614605	4.265.34	6.53	4.72	109.04	46.04	155.08	72.28	51.25	21.64	72.89	187,92	79,34	267,25
Tchicala	40	597200	8625776	6.779.98	4.90	3.57	63.09	29.28	92.37	64.97	29.65	13.76	43.42	108,73	50,46	159,19
Tchicala	42	594724	8621825	3.533.23	6.94	4.95	116.38	48.91	165.29	66.48	54.70	22.99	77.69	200,57	84,29	284,86
Tchingenje	12	484926	8579167	3.183.09	5.47	3.86	57.94	28.35	86.30	48.93	27.23	13.33	40.56	99,86	48,86	148,72
Tchingenje	17	498606	8580707	3.628.72	7.83	6.23	171.97	66.15	238.12	92.95	80.83	31.09	111.92	296,37	114,00	410,37
Tchingenje	22	483221	8579840	4.201.68	7.11	5.20	137.06	55.15	192.21	93.60	64.42	25.92	90.34	236,19	95,04	331,23
Tchingenje	29	486387	8590004	2.546.47	10.13	7.45	278.69	98.72	377.41	103.50	130.98	46.40	177.38	480,27	170,12	650,40
Tchingenje	31	497386	8580914	2.323.66	8.64	6.36	173.70	68.26	241.96	64.24	81.64	32.08	113.72	299,35	117,63	416,98
Tchingenje	36	495394	8581242	2.450.98	5.54	4.20	54.19	27.14	81.33	33.99	25.47	12.75	38.22	93,39	46,77	140,15
Tchingenje	38	486719	8589164	4.329.00	4.79	3.50	48.45	24.25	72.70	57.13	22.77	11.40	34.17	83,49	41,78	125,28
Ukuma	39	521443	8602891	3.246.75	8.53	6.81	205.74	76.58	282.32	93.39	96.70	35.99	132.69	354,56	131,96	486,52
Ukuma	43	519504	8595770	2.482.81	9.26	6.55	212.09	79.81	291.90	88.30	99.68	37.51	137.19	365,50	137,54	503,04
Ukuma	46	514534	8592359	3.724.22	8.50	6.65	216.13	79.19	295.33	108.45	101.58	37.22	138.80	372,47	136,48	508,95
Mean				3.616,38	7.25	4.89	140.04	55.02	195.05	78.57	65.82	25.86	91.67	241,33	94,81	336,14
Std. Desv.				1.586,87	1.97	1.30	108.59	31.69	140.14	31.07	51.04	14.89	65.87	187,14	54,61	241,51

Density expressed in trees ha⁻¹; diameter at breast height (dbh) expressed in cm; height expressed in m; above-ground biomass (AGB) expressed in [Mg/ha⁻¹]; below-ground biomass (BGB) expressed in [Mg/ha⁻¹]; Total biomass expressed in [Mg/ha⁻¹]; Volume expressed in m³ ha⁻¹; above-ground accumulated Carbon (AGC) expressed in [Mg/ha⁻¹]; below-ground accumulate Carbon (BGC) expressed in [Mg/ha⁻¹]; total accumulate Carbon (TC) expressed in [Mg/ha⁻¹]; above-ground CO₂eq (AGCO₂eq) expressed in [Mg/ha⁻¹]; below-ground CO₂eq (BGCO₂eq) expressed in [Mg/ha⁻¹] and total CO₂eq (TCO₂eq) expressed in [Mg/ha⁻¹].

Table S3. Above-ground biomass (AGB), below-ground biomass (BGB), total Biomass (TB), volume, above-ground accumulated Carbon (AGC), below-ground accumulated Carbon (BGC), total accumulated Carbon (TC), above-ground CO₂eq, below-ground CO₂eq and total CO₂eq by municipality.

Municipality	¹ AGB	² BGB	³ TB	⁴ Volume	⁵ AGC	⁶ BGC	⁷ TC	⁸ AG CO ₂ eq	⁹ BG CO ₂ eq	¹⁰ Total CO ₂ eq
Bailundo	158.44±167.35	59.74±47.13	218.18±214.35	79.09±36.01	74.47±78.65	28.08±22.15	102.55±100.75	273.05±288.40	102.96±81.23	376.00±369.40
Caála	125.99±56.14	51.11±19.31	177.10±75.42	92.39±46.73	59.22±26.38	24.02±9.08	83.24±35.45	217.13±96.74	88.08±33.29	305.21±129.98
Ekunha	152.20±38.45	59.81±11.26	212.01±49.72	72.86±27.16	71.53±18.07	28.11±5.29	99.65±23.37	262.29±66.27	103.07±19.41	365.37±85.68
Katchiungo	126.46±34.41	52.02±12.26	178.48±46.66	83.87±±5.49	59.44±16.17	24.45±5.76	83.88±21.93	217.93±59.30	89.64±21.13	307.58±80.42
Londuimbale	128.32±31.66	52.91±10.46	181.23±42.11	70.88±12.14	60.31±14.88	24.87±4.92	85.18±19.79	221.14±54.55	91.18±18.03	312.32±72.57
Longonjo	110.95±41.93	46.74±13.83	157.69±55.75	77.24±17.73	52.15±19.71	21.97±6.50	74.11±26.20	191.21±72.26	80.54±23.83	271.75±96.08
Tchicala	78.30±42.82	34.73±15.92	113.03±58.74	56.44±23.15	36.80±20.13	16.32±7.48	53.12±27.61	134.94±73.80	59.85±27.44	194.79±101.23
Tchingenje	131.72±85.05	52.57±27.70	184.29±112.72	70.62±26.28	61.91±39.97	24.71±13.02	86.62±52.98	226.99±146.57	90.60±47.73	317.59±194.26
Ukuma	211.32±5.24	78.53±1.72	289.85±6.74	96.71±10.48	99.32±2.46	36.91±0.81	136.23±3.17	364.18±9.03	135.33±2.96	499.51±11.62

¹Above-ground biomass (AGB) expressed in [Mg/ha⁻¹]; ²below-ground biomass (BGB) expressed in [Mg/ha⁻¹]; ³Total biomass expressed in [Mg/ha⁻¹]; ⁴Volume expressed in m³ ha⁻¹; ⁵above-ground accumulated Carbon (AGC) expressed in [Mg/ha⁻¹]; ⁶below-ground accumulate Carbon (BGC) expressed in [Mg/ha⁻¹]; ⁷total accumulate Carbon (TC) expressed in [Mg/ha⁻¹]; ⁸above-ground CO₂eq (AGCO₂eq) expressed in [Mg/ha⁻¹]; ⁹below-ground CO₂eq (BGCO₂eq) expressed in [Mg/ha⁻¹] and ¹⁰total CO₂eq (TCO₂eq) expressed in [Mg/ha⁻¹]. For each variable, the mean value and standard deviation by municipality are included.

Table S4. Potential Charcoal Productivity (PCP) and Allowable Cutting Value (ACV) by plot.

Municipality	Plot	¹ PCP	² ACV
Bailundo	1	13.246,88	18
Bailundo	4	8.501,84	24
Bailundo	5	14.780,28	22
Bailundo	6	25.014,29	23
Bailundo	8	9.720,16	13
Bailundo	9	18.334,16	21
Bailundo	13	14.991,55	23
Bailundo	18	16.849,86	20
Bailundo	20	11.151,19	21
Bailundo	21	15.924,55	25
Bailundo	25	19.320,89	26
Bailundo	27	8.211,58	27
Bailundo	34	5.200,63	16
Bailundo	41	35.426,97	30
Bailundo	45	13.034,92	37
Bailundo	47	14.797,83	22
Bailundo	49	18.339,94	24
Caala	11	18.659,73	31
Caala	16	13.577,17	21
Caala	19	15.305,08	36
Caala	26	36.394,42	21
Caala	28	14.734,34	17
Caala	35	7.146,83	17
Caala	44	20.612,34	78
Ekunha	10	18.000,14	28
Ekunha	24	10.489,98	23
Kacchiungo	14	15.655,07	30
Kacchiungo	15	15.380,01	23
Kacchiungo	23	17.681,33	19
Kacchiungo	33	16.866,95	27
Londumbale	7	11.118,04	22
Londumbale	30	15.157,90	21
Londumbale	48	15.296,64	23
Longonjo	2	17.550,77	28
Longonjo	37	12.649,31	22
Tchicala	3	4.310,39	17
Tchicala	32	14.131,40	27
Tchicala	40	12.701,72	43
Tchicala	42	12.995,98	23
Tchingenje	12	9.566,77	22
Tchingenje	17	18.172,50	25

Municipality	Plot	¹ PCP	² ACV
Tchingenje	22	18.299,51	30
Tchingenje	29	20.233,53	20
Tchingenje	31	12.558,03	16
Tchingenje	36	6.645,72	15
Tchingenje	38	11.168,65	29
Ukuma	39	18.257,42	23
Ukuma	43	17.263,27	18
Ukuma	46	21.202,10	27

¹Mean values of PCP expressed in Kg ha⁻¹.

²Mean values of ACV expressed in number of trees ha⁻¹

Table S5. Annual Cutting Value (ACV), Annual Allowable Cut Volume (AACV) and Potential Annual Allowable Charcoal Productivity (PAACP) for the rotation lengths considered (55, 40, 25 and 15 years).

Municipality	Plot	Hypotheses	¹ ACV	² AACV	³ PAACP
Bailundo	1	55	10.48	10.77	2,104.60
		40	14.40	12.16	2,378.11
		25	23.05	18.22	3,562.66
		15	38.41	28.28	5,527.95
Longonjo	2	55	16.20	11.99	2,344.90
		40	22.28	15.77	3,083.64
		25	35.65	23.63	4,619.63
		15	59.42	36.66	7,167.99
Tchicala	3	55	9.72	3.04	594.39
		40	13.37	4.00	781.64
		25	21.39	5.99	1,170.99
		15	35.65	9.29	1,816.95
Bailundo	4	55	13.66	5.80	1,134.39
		40	18.78	7.63	1,491.77
		25	30.05	11.43	2,234.84
		15	50.08	17.74	3,467.66
Bailundo	5	55	12.50	10.37	2,026.82
		40	17.19	13.63	2,665.36
		25	27.50	20.42	3,993.00
		15	45.84	31.69	6,195.68
Bailundo	6	55	13.48	25.36	4,958.03
		40	18.54	33.35	6,520.03
		25	29.67	49.96	9,767.71
		15	49.44	77.52	15,155.93
Londumbale	7	55	12.62	7.91	1,547.00
		40	17.35	10.41	2,034.38
		25	27.76	15.59	3,047.72
		15	46.26	24.19	4,728.95
Bailundo	8	55	7.47	5.92	1,156.70
		40	10.27	7.78	1,521.11
		25	16.42	11.66	2,278.79
		15	27.37	18.09	3,535.86
Bailundo	9	55	12.39	12.46	2,436.12
		40	17.03	16.39	3,203.61
		25	27.25	24.55	4,799.36
		15	45.41	38.09	7,446.85
Ekunha	10	55	16.26	13.05	2,551.64
		40	22.36	17.16	3,355.52
		25	35.78	25.71	5,026.94

Municipality	Plot	Hypotheses	¹ ACV	² AACV	³ PAACP
		15	59.63	39.90	7,799.98
Caala	11	55	17.83	13.33	2,605.50
		40	24.51	17.53	3,426.35
		25	39.22	26.26	5,133.04
		15	65.36	40.74	7,964.61
Tchingenje	12	55	12.44	5.82	1,136.96
		40	17.11	7.65	1,495.16
		25	27.37	11.46	2,239.91
		15	45.62	17.78	3,475.52
Bailundo	13	55	13.08	7.50	1,466.47
		40	17.98	9.86	1,928.47
		25	28.78	14.78	2,889.06
		15	47.96	22.93	4,482.78
Kacchiungo	14	55	17.25	8.88	1,735.48
		40	23.71	11.67	2,282.24
		25	37.94	17.49	3,419.04
		15	63.24	27.14	5,305.11
Kacchiungo	15	55	13.31	10.27	2,007.39
		40	18.30	13.50	2,639.80
		25	29.28	20.23	3,954.71
		15	48.81	31.39	6,136.28
Caala	16	55	12.15	9.32	1,821.83
		40	16.71	12.25	2,395.79
		25	26.74	18.36	3,589.15
		15	44.56	28.49	5,569.06
Tchingenje	17	55	14.58	12.33	2,410.69
		40	20.05	16.22	3,170.16
		25	32.09	24.29	4,749.25
		15	53.48	37.69	7,369.11
Bailundo	18	55	11.40	12.73	2,488.02
		40	15.68	16.74	3,271.85
		25	25.08	25.07	4,901.59
		15	41.80	38.90	7,605.49
Caala	19	55	20.66	10.05	1,964.58
		40	28.41	13.21	2,583.51
		25	45.45	19.80	3,870.38
		15	75.76	30.72	6,005.42
Bailundo	20	55	12.04	7.95	1,553.32
		40	16.55	10.45	2,042.69
		25	26.48	15.65	3,060.17
		15	44.14	24.29	4,748.27

Municipality	Plot	Hypotheses	¹ ACV	² AACV	³ PAACP
Bailundo	21	55	14.35	7.88	1,541.37
		40	19.74	10.37	2,026.97
		25	31.58	15.53	3,036.63
		15	52.63	24.10	4,711.74
Tchingenje	22	55	17.19	12.05	2,356.08
		40	23.63	15.85	3,098.35
		25	37.82	23.74	4,641.67
		15	63.03	36.84	7,202.18
Kacthiungo	23	55	10.94	11.97	2,339.65
		40	15.04	15.74	3,076.74
		25	24.06	23.58	4,609.29
		15	40.11	36.58	7,151.94
Ekunha	24	55	13.48	9.95	1,945.64
		40	18.54	13.09	2,558.61
		25	29.67	19.61	3,833.07
		15	49.44	30.42	5,947.53
Bailundo	25	55	15.16	13.63	2,665.43
		40	20.85	17.93	3,505.15
		25	33.36	26.86	5,251.10
		15	55.60	41.68	8,147.80
Caala	26	55	12.04	14.15	2,766.80
		40	16.55	18.61	3,638.47
		25	26.48	27.88	5,450.82
		15	44.14	43.26	8,457.69
Bailundo	27	55	15.68	5.37	1,049.43
		40	21.57	7.06	1,380.05
		25	34.50	10.58	2,067.46
		15	57.51	16.41	3,207.95
Caala	28	55	9.67	10.03	1,960.12
		40	13.29	13.18	2,577.64
		25	21.26	19.75	3,861.59
		15	35.44	30.65	5,991.78
Tchingenje	29	55	11.34	15.49	3,027.54
		40	15.60	20.36	3,981.35
		25	24.96	30.51	5,964.50
		15	41.59	47.34	9,254.73
Londuimbale	30	55	12.33	10.79	2,109.27
		40	16.95	14.19	2,773.78
		25	27.12	21.26	4,155.42
		15	45.20	32.98	6,447.70
Tchingenje	31	55	9.14	9.79	1,914.10

Municipality	Plot	Hypotheses	¹ ACV	² AACV	³ PAACP
		40	12.57	12.88	2,517.12
		25	20.12	19.29	3,770.92
		15	33.53	29.93	5,851.10
Tchicala	32	55	15.68	9.61	1,879.70
		40	21.57	12.64	2,471.89
		25	34.50	18.94	3,703.16
		15	57.51	29.39	5,745.96
Kacthiungo	33	55	15.57	8.80	1,720.38
		40	21.41	11.57	2,262.38
		25	34.25	17.34	3,389.29
		15	57.08	26.90	5,258.94
Bailundo	34	55	9.49	3.44	672.32
		40	13.05	4.52	884.14
		25	20.88	6.78	1,324.53
		15	34.80	10.51	2,055.19
Caala	35	55	9.95	4.24	829.74
		40	13.69	5.58	1,091.15
		25	21.90	8.36	1,634.66
		15	36.50	12.97	2,536.40
Tchingenje	36	55	8.91	4.46	871.10
		40	12.25	5.86	1,145.53
		25	19.61	8.78	1,716.13
		15	32.68	13.62	2,662.81
Longonjo	37	55	12.44	7.11	1,389.33
		40	17.11	9.35	1,827.03
		25	27.37	14.00	2,737.09
		15	45.62	21.72	4,246.97
Tchingenje	38	55	16.73	6.01	1,175.31
		40	23.00	7.91	1,545.58
		25	36.80	11.84	2,315.45
		15	61.33	18.38	3,592.74
Ukuma	39	55	13.37	13.27	2,595.14
		40	18.38	17.46	3,412.72
		25	29.41	26.15	5,112.63
		15	49.02	40.58	7,932.94
Tchicala	40	55	24.83	8.70	1,700.79
		40	34.14	11.44	2,236.62
		25	54.62	17.14	3,350.69
		15	91.04	26.59	5,199.06
Bailundo	41	55	17.36	43.03	8,413.12
		40	23.87	56.59	11,063.62

Municipality	Plot	Hypotheses	¹ ACV	² AACV	³ PAACP
		25	38.20	84.78	16,574.50
		15	63.66	131.55	25,717.59
Tchicala	42	55	13.20	9.21	1,800.18
		40	18.14	12.11	2,367.32
		25	29.03	18.14	3,546.50
		15	48.38	28.15	5,502.88
Ukuma	43	55	10.59	12.52	2,446.86
		40	14.56	16.46	3,217.72
		25	23.30	24.66	4,820.50
		15	38.83	38.26	7,479.66
Caala	44	55	45.37	14.04	2,744.76
		40	62.39	18.46	3,609.48
		25	99.82	27.66	5,407.39
		15	166.37	42.92	8,390.31
Bailundo	45	55	21.24	8.75	1,710.80
		40	29.20	11.51	2,249.78
		25	46.73	17.24	3,370.41
		15	77.88	26.75	5,229.65
Ukuma	46	55	15.63	15.10	2,951.55
		40	21.49	19.85	3,881.42
		25	34.38	29.74	5,814.79
		15	57.30	46.15	9,022.45
Bailundo	47	55	12.79	10.03	1,960.64
		40	17.59	13.19	2,578.33
		25	28.14	19.76	3,862.61
		15	46.90	30.66	5,993.37
Londumbale	48	55	13.48	10.91	2,133.08
		40	18.54	14.35	2,805.09
		25	29.67	21.50	4,202.33
		15	49.44	33.35	6,520.48
Bailundo	49	55	14.12	12.95	2,532.11
		40	19.42	17.03	3,329.84
		25	31.07	25.52	4,988.46
		15	51.78	39.59	7,740.28

¹ACV by plot, expressed in trees ha⁻¹ yr⁻¹; ²AACV by plot, expressed in m³ ha⁻¹ yr⁻¹; ³PPAACV by plot, expressed in Kg ha⁻¹ yr⁻¹