I-C

Agroforestry

C. Agroforestry

C - 1 Detailed Survey of Agroforestry Techniques in the SA.....C- 1

Annex C-	C-1: Detailed study of agroforestry technologies in the study area	of agrofor	estry techn	ologies in	the study a	Irea					
Site No.	FARM	WTS	TER	ERO	AGT	SIF	CRP	FRT	LVS L	LVN ALT	
				;							
1	S. Sambuzi	<	FLT	NER	ST	FD	MZ	MG	۶		800
					ВР		PG				
					НС						
2	L. Lawrence	>	FLT	NER	ST	SF	MZ		NL		750
							PG D	-			
						SF	SG				
က	3 H. Kuntanja	>	FLT	NER	WP	Ð	MZ		GT	10	
					ST		MG		Я	4	750
					CM						
4	4 Makande	>	FLT	NER	WP	MA	MZ	MG	NL		1000
					ST						
S	P.Andrea	>	FLT.	NER	ST	FD	MZ	MG .	GT	9	850
				- 18					Н	4	
9	6 N.Kasya	Ш	FLT	NER	ВР	FD	ZW	MG	GT	S	820
7	7 M.Chimesa	I	FLT	NER	ST	SF	MZ	MG	У	2	
									Z	2	
									PG	-	
ω	8 M.Jamali	=	SLP	ERD	ST	FD	MZ	MG	ЪХ	4	750
თ	A.Sola	=	SLP	ERD	ST	FD	ZW	MG	Ь	2	750
9	10 F.Tatera		FLT	NER	ST	SF	MZ	MG	Ю	n	500
					ВР			-			
11	J.Kachingwe		SLP	NER	WP	NG	MZ		ă	S	610
					ST		GN				
					ВР				-		
12	12 F. Mphero	_	FLT	NER	ST	SF	MZ		СН	22	510
							SH		GT	თ	
							PG		DK	5	
							GN				
							CS			-	
13	13 D.Kaufa		FLT	NER	ST	SF	MZ				
							PG		GT	2	500
									Я	4	
									DK	2	
1 4	14 W.Chilume		FLT'	NER	ST	SF	MZ	•	GT ·	2	500
									DK	5	
							-		2	100	

. 15	15 A.Duwa	N	SLP	ERD	ВР	SF	MZ	MG	GT	2	1000
								SA	ЮН	2	
16	16 N.Ntamba	II	FLT	NER	ST	SF	PG		ъ	25	200
17	17 Malwa	II	FLT	NER	ST	SF	MZ		ъ	4	200
				•			PG				
							GN		GT	4	
18	J.Likaka	_	SLP	ERD		SF	MZ		cw	8	700
							PG				
19	19 Kholawa	=	SLP	ERD	ST	R	MZ	MG	GT	2	200
			•				PG				
20	20 C.Kuntanja	>	FLT.	ERD	ST	SF	MZ	•	GT .	7.	780
					ВР		D D				
21	H.Bema		SLP	ERD	WP	FD	MZ		GT	e	200
				-	ST		GN		Ъ	21	
					ВР		PG				
22	D.Lwayo	>	SLP	ERD	ST	SF		MG	Ъ	6	006
							•	PW			
								OR			
23	S.Bwanali	>	SLP	ERD	ВР	SF		MG	GT	4	006
-								PR	Ь	2	
24	24 E.Bras	>	FLT	ERD	ВР	ЦZ	MZ	MG			750
25	25 L.Chimbeni	≥	FLT	NER	ЧР	MA		MG	ы	9	1000
					ST			GV			
					ВР			PG			
26	26 L.Mbawa	≥	FLT	NER	ЧР	MA	MZ	GV			1000
	-							OR			
								ZZ			
27	A. Mbati	2	FLT	NER	ВР	ЯF	MZ	GV			1000
								MG			
								R			
28	S.Ndalama	2	FLT	NER	WР	ЦZ	MZ	MG	GT	2	1000
					ST		PG	GV	Я	ო	
29	B.Jadema	≥	Ŀ	NER	ST	ß		MG	•	•	1000
								AV			
								OR			
30 R.	R. Chimenya	2	SLP	NER	ST	Ð	PG	MG			1000
							-	JK			
								PV			
			-								

Table 1: Frequency of agroforestry technologies Table 3: source of information on agroforestry Table 1: Frequency of agroforestry technologies Table 3: source of information on agroforestry Technology Tally Frequency Institution Table 3: source of information on agroforestry Technology Tally Frequency No. % 30 VP 23 MA 3 10 % AC 0 0 NG 1 30 WP 23 MA 3 10 % MP 0 0 NG 1 3 10 WP 23 MA 3 10 % 10 WP 23 MA 3 10 % 10 WP 0 0 0 0 11 3 10 WP 1 3 NG 1 10 10 10 WP 0 0 0 0 1 3 43	source of information on agroforestry	encv			30	10	53	2	8								ck and occurrences		ency		73	50	20	3	8						
1: Frequency of agroforestry technologies Table 3: 0logy Tally. Frequency Institution No. % 0 1 No. % MA 23 77 23 11 37 NG 11 33 CW	of inform	Fredu	%		ග	e	16	5	1								of livesto	1	rrequ	%	13	15	9	-			-		-		
• 1: Frequency of agroforestry technologies • 0 Frequency 000gy Tally. 0 0 1 37 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3																	Number					_									
P1: Frequency of agroforestry technologies P1: Frequency of agroforestry technologies nology Tally. No. % 11 37 13 37 14 37 13 37 14 37 13 37 14 33 15 33 16 3 17 33 18 60 19 3 10 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 3 11 12	Table 3:	Institutio			Ð	MA	ЧN	ЧZ	NG								Table 4:		LIVESIOCI	Iype	GT	Ъ	Ъ	Ы	QV						
Allogy Tally. nology Tally. nology Tally. No. 0 No. 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 12 0 13 3 14 1 15 1 16 1 17 1 18 1 19 1 11 1 11 1 11 1 11 1			-								•				-																
Allogy Tally. nology Tally. nology Tally. No. 0 23 23 23 23 23 23 23 23 24 11 11 11	chnologies	Frequency	%	•	0	23	77	37	O	0	S	0	n	0	0			Eroci ionoli	riequeicy	8	2	09	10	13	С С	S	S	e C			
1: Frequency of agroups of agroup		~															ous fruits														
Table 1: Frequence Technology Type ST ST ST ST ST ST ST ST ST ST ST ST ST	y of agrofo	Tally.	No.		0	7	23	11	0	0	1	0	1	0	0		of va	Talki	I dily.	02	5		n	4	-	Ŧ	-	+			
	Table 1: Frequenc				AC	WP	ST	ВР	ЧЪ	GP	CM	WB	HC	HR	IW						РВ	MG	OR	GV	Я	SA	ZZ	AV			

Abbi	Abbreviations us	used in the a	annex table.							
								-		
<u>0</u> <u>></u>		w atershed		1, 11, 111, IN	.×,≺					
TER		Terrain	FLT Flat.	SLP	Slopy					
ERO		Erosion status	atus	NER Not	Not eroded. EF	ERD Eroded	þ			
				1						
AGT		Agroforest	Agroforestry technologies	jies						
		AC Alley o	cropping	WP Wood	WP Woodlot Planting		ST	Scatter	tree planting	
		ВР	Boundary Planting	Janting		River Planting	GP Gully	Gully Planting	•	
		CM Com	Compost mulching	ing	WB	Windbreak HC		Home com	Home compound planting	
			Hedgerow		MI	Mixed intercroping	rcroping			
		5								
SIF		Irce of	information on	on agroforestry	estry	FD	Forest Department	artment		
	-	SF	Self taught		NG	NGOs				
		ΡF	Neibouring Farmers	Farmers	MA	Ministry of	Ministry of Agriculture and irrigation	and irrigati	uo	
, ,										
CRP		Crops grown	. uv					•		
		MZ	Maize	SG	Sugar cane CS	SS	Casava			
		D D	Pigeon pec GN	GN	Groundnut: SH		Sorghum			
FRT		Fruits grown	Ę							
		ОВ	Oranges	SA	Sweet app ZZ	Z	Ziziphus			
	-	MG	Mangoes	JK	Jack Fruit	PW	Pawpaw			
		ଦ୍ଧ	Guava	РВ	Pears		•			
LVS		Livestock								
		GT	Goats	DK	Ducks	DV	Doves			
		н	Chicken	PG	Pigs	CW	Cows			
LVN		Livestock N	Number							
					• .		•			
ALT			Altitude in I	metres abov	Altitude in metres above sea level					
										1

I-D

Agriculture and Animal Husbandry

D. Agriculture and Animal Husbandry

D-1 Planted Areas in the Study Area, ha

D-2 Crop Yields in the Study Area, ha

D-3 Crop Production in the Study Area, ton/year

D-4 No. of Animal in the Study Area

D-5 Marketing Organizations

D-6 Commodity Prices in Blantyre

D-7 Farm Gate Price of Agricultural Commodity in 1997/98

D-8 Prices Paid by ADMARC to Farmers, MK/kg

D-9 Prices of Fertilizer & Seeds by ADMARK, MK

	1994/95	%	1998/99	%	Area/household in 1998/99
Cotton	49	0.3	96	0.4	0.003
Cow peas	958	5.1	202	0.9	0.006
Tobacco	26	0.1	244	1.1	0.008
Sorghum	435	2.3	351	1.6	0.011
Cassava	502	2.6	864	4.0	0.028
S/ potato	460	2.4	899	4.1	0.029
Beans	981	5.2	1,177	5.4	0.038
Soybeans	158	0.8	1,426	6.5	0.046
Groundnuts	1,300	6.8	1,498	6.9	0.048
Pigeon pea	2,990	15.7	3,415	15.6	0.109
Maize	11,145	58.6	11,649	53.4	0.373
Total	19,004	100.0	21,820	100.0	0.699

Annex D-1 Planted Areas in the Study Area, ha

Source: Blantyre-Shire Highland RDP

Annex D-2	Crop	Yields in	the Study	Area(ton/ha)
	P			

	1994/95	1995/96	1996/97	1997/98	1998/99
Maize	0.86	1.52	n.a.	n.a.	1.71
Sorghum	0.32	n.a.	n.a.	n.a.	0.76
Pigeon peas	0.40	n.a.	n.a.	n.a.	0.53
Groundnut	0.27	0.47	n.a.	n.a.	1.20
Tobacco	0.80	1.23	n.a.	n.a.	1.27
Cotton	0.40	0.60	0.62	0.62	1.02
Beans	0.18	0.40	n.a.	n.a.	0.52
Soybeans	0.18	0.34	n.a.	n.a.	0.55
Cassava	1.42	2.83	n.a.	n.a.	5.16
S/ potato	2.09	7.15	n.a.	n.a.	9.64
Cow peas	0.07	0.18	n.a.	n.a.	0.44

Source: Blantyre-Shire Highland RDP

	1994/95	1995/96	1996/97	1997/98	1998/99
Maize	9,617	15,555	n.a.	n.a.	19,914
Sorghum	141	n.a.	n.a.	n.a.	268
Pigeon pea	1,200	n.a.	n.a.	n.a.	1,797
Groundnuts	349	638	n.a.	n.a.	1,800
Tobacco	21	131	n.a.	n.a.	311
Cotton	20	41	51	51	97
Beans	175	369	n.a.	n.a.	612
Soya	29	59	n.a.	n.a.	783
Cassava	715	1,447	n.a.	n.a.	4,458
S/potatoes	961	3,202	n.a.	n.a.	8,667
Cow peas	65	133	n.a.	n.a.	89

Annex D-3 Crop Production in the SA(ton/year)

Source: Blantyre-Shire Highland RDP

Note: For 1996/97, 1997/98, no data is available

Annex D-4 No. of Animal in the SA

	1994	1995	1996	1997	1998
Cattle	5,079	n.a.	5,250	2,633	2,427
Pigs	6,410	n.a.	305	2,981	1,148
Sheep	3,122	n.a.	1,256	238	352
Chicken	87,036	n.a.	111,703	89,643	n.a.
Rabbit	n.a.	n.a.	1,243	3,478	n.a.
Goats	20,946	11,720	23,978	13,350	20,207

Source: Blantyre-Shire Highland RDP

Annex D-5 Marketing Organizations

Main suppliers of fertilizers are ADMARC, Smallholder Farmers Fertilizer Revolving Fund of Malawi (SFFRFM), Norsk Hydro Malawi, Farmers World, Agricultural Trading Company (ATC), Hardware, Chipiku, AGORA and Kynock-Optichem.

Major suppliers of improved seeds are National Seed Cotton and Milling (NSCM), Pennar Seed Company and ADMARC. NSCM was a parastatal company producing tobacco and vegetable seeds as well as maize seed. In 1991 NSCM was privatized allowing Cargill and Monsanto participation in the management by selling controlling shares of its stock to them.

Pennar Seed Company was established in 1991 as an agribusiness subsidiary of Lever Brothers Malawi Limited, for production of sunflower seed to farmers. Lever Brothers Malawi produces edible oils from sunflower seed. Then Pennar Seed Company started production of hybrid maize seed for improvement of business operation. In 1993, the company was sold to Pannar Seed Company of South Africa. The company is the largest suppliers of hybrid seed in the country providing 6700ton in 1998/99.

SFFRFM is a parastatal company with its objectives of the importation, distribution, and sale of various types of fertilizers required for both food and cash crop production to smallholder farmers. SFFRFM has also the function of keeping Malawi's fertilizer buffer stocks which include fertilizer grants from donors. After the liberalization in the agricultural marketing in 1987, SFFRFM widened their targets to all farmers and all traders including estates.

Norsk Hydro Malawi is a subsidiary of Hydro Agri International. Norsk Hydro Malawi's main customers are tobacco farmers.

Annex D-6 Commodity Prices in Blantyre

	1997	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Maize-Grain(kg)	278	282	356	353	376	374	370	253	256	358	588	682
2	Maize-Flour(kg)	723	731	923	918	1003	999	989	585	589	823	1078	1194
3	Maize Flour(Prepacked 20kg)	9800	9800	9800	9800	9800	9800	9800	12900	12900	12900	12900	12900
4	Rice-Prepacked (500g)	800	800	800	800	800	800	800	900	900	900	1070	1070
5	Rice-Broken (kg)	1111	1117	1404	1539	1585	1567	1554	1290	1600	903	1111	118
6	Bread-(Standard)	760	760	760	760	760	760	760	870	870	870	870	870
7	White Buns	90	90	90	100	100	100	100	120	120	120	120	120
8	Cornflakes	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	796
9	Potatoes-Irish	889	907	490	684	763	778	705	682	710	518	476	50
0	Potatoes-Sweet	419	432	440	428	450	393	388	419	465	357	311	330
1	Cassava-Heaps	666	676	671	784	793	529	527	531	606	649	400	418
12	Sugar-White(500g)	345	345	345	425	425	425	425	425	425	490	490	49
13	Sugar-Brown	340	340	340	390	390	390	390	390	390	450	450	450
14	Jam-Strawberry 500g	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	214
15	Biscuits	1025	1025	1025	1025	1025	1195	1195	1195	1195	1250	1295	129
16	Sweets	250	250	250	250	250	375	375	375	375	375	375	37
17	Beans-White(Dried)	2270	2353	2300	2102	2132	2102	2091	1633	1718	1839	1579	163
8	Beans-Brown (Dried)	2160	2247	2250	2213	2247	2185	2177	1600	1787	2124	1622	163
9	Groundnuts-Shelled kg	2713	2759	2736	2333	2340	2392	2326	1951	2043	2740	2857	347
20	Onions	3116	3134	3228	3101	3333	2791	2700	2886	2860	1235	1579	182
21	Tomatoes	982	1394	1436	1213	1494	1290	1235	462	450	316	477	538
22	Cabbage	609	865	891	763	547	519	457	295	290	290	393	439
23	Tanapusi	653	926	954	880	784	597	528	427	408	417	557	576
24	Bananas	280	392	421	494	509	392	375	360	432	496	433	440
25	Pineapple	529	742	796	822	824	995	933	943	1086	1189	845	909
26	Apple	973	973	973	973	973	971	1076	4800	4800	3649	3664	3664
27	Tinned Fruit 410g	2375	2375	2375	2375	2375	2375	2375	2375	2375	2375	2375	2375
28	Beef Kg	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	5200
29	Bacon kg	4000	4000	4000	5000	5000	5000	5000	5000	5000	5000	5000	5000
80	Mutton/Lamb Kg	4745	4745	4745	6500	6500	6500	6500	6500	6500	6500	6500	6500
11	Chicken-Live	5100	5146	4689	5570	6028	5710	5405	4056	4401	4170	4356	4073
32	Chambo-Fresh	5195	6667	6959	7675	8015	8914	9095	6643	6111	5266	5347	8494
33	Chambo-Dry	11800	11918	12444	13243	13286	13300	13568	10438	10500	10080	11175	12600
34	Utaka-Dry kg	6703	6667	6933	8000	8157	8834	8977	9000	8710	7733	8866	10100
35	Eggs-Unit	1850	1850	1850	1850	1850	1850	1850	2100	2100	2100	2100	2100
36	Fresh Milk(0.5Litres)MDI	530	530	530	530	530	530	530	530	530	530	530	530

	1998	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Maize-Grain(kg)	850	854	855	489	488	472	469	470	472	474	506	791
2	Maize-Flour(kg)	1401	1408	1408	1023	1022	984	980	981	985	990	1005	1220
3	Maize Flour(Prepacked 20kg)	12900	16100	16100	18540	18540	18540	18540	18540	18540	24500	24500	27200
4	Rice-Prepacked(500g)	1070	1070	1195	1195	1195	1195	1490	1490	1490	1490	1890	1930
5	Rice-Broken(kg)	1260	1399	1427	1082	902	858	891	1038	1042	1094	1289	1367
6	Bread-(Standard)	1100	1000	1000	1100	1100	1100	1100	1100	1850	1850	1850	1850
7	White Buns	150	130	130	150	150	150	150	150	250	250	250	250
8	Cornflakes	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960
9	Potatoes-Irish	485	726	620	616	651	520	590	830	843	843	1404	1215
10	Potatoes-Sweet	434	478	744	767	598	537	486	488	574	631	684	713
11	Cassava-Heaps	732	805	984	1017	945	699	621	591	619	625	699	750
12	Sugar-White (500g)	490	613	613	613	613	613	613	613	870	870	870	870
13	Sugar-Brown	450	563	563	563	563	563	563	563	797	797	797	797
14	Jam-Strawberry 500g	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144
15	Biscuits	1550	1550	1550	1550	1550	1550	1550	1550	2350	2350	2350	2595
16	Sweets	375	375	375	500	500	500	500	500	500	500	500	700
17	Beans-White(Dried)	2532	2557	2938	2817	2518	2325	2333	2336	2242	2265	2349	2724
18	Beans-Brown(Dried)	2667	2693	2720	2627	2412	2144	2155	2157	2076	2086	2110	2463
19	Groundnuts-Shelled kg	3529	3600	3600	3549	3276	4212	4296	4229	4060	4100	4189	4316
20	Onions	2791	3348	3461	3296	3182	3119	3276	3299	2400	2424	2482	2544
21	Tomatoes	908	1094	1140	1319	1244	1235	1272	1083	950	960	1035	1061
22	Cabbage	466	475	908	903	766	609	627	591	632	695	813	891
23	Tanapusi	1071	1093	1053	1050	825	825	849	585	591	594	601	695
24	Bananas	525	577	530	554	503	391	528	465	564	567	582	667
25	Pineapple	847	855	1113	1169	1176	1350	1404	1385	1352	1365	1400	1778
26	Apple	3871	3103	4545	4545	4546	4546	3922	4286	6452	6452	6452	6452
27	Tinned Fruit 410g	2375	2375	2375	2375	2375	2375	2375	2375	2375	2375	2375	2375
28	Beef Kg	5200	5200	5200	5200	5200	5200	5200	5200	5200	7000	7000	7000
29	Bacon kg	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
30	Mutton/Lamb Kg	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500	6500
31	Chicken-Live	4511	5639	5667	5172	4730	5324	5500	5176	5351	7000	6349	8928
32	Chambo-Fresh	3794	4813	4837	4762	7970	8089	8369	7164	7236	7265	8182	9026
33	Chambo-Dry	15625	15938	16018	15301	16040	16040	16939	16939	12242	12227	12401	12525
34	Utaka-Dry kg	8929	9107	9153	8743	12524	6185	8243	8955	9045	9135	9325	9636
35	Eggs-Unit	2100	2100	2375	2375	2375	2375	3000	3000	3500	3500	3500	3500
36	Fresh Milk(0.5Litres)MDI	720	720	720	795	795	795	795	795	1020	1550	1550	1550

	1999	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1	Maize-Grain(kg)	1550	1578	1590	1590	1497	1405	1222	873
2	Maize-Flour(kg)	2112	2144	2183	2100	1991	1788	1641	1132
з	Maize Flour(Prepacked 20kg)	27200	27200	27200	27200	27200	27200	27200	27200
4	Rice-Prepacked(500g)	1980	1980	1980	1980	1980	1980	1980	1980
5	Rice-Broken(kg)	1702	1763	1776	1923	1841	1841	1320	1000
6	Bread-(Standard)	1850	1850	1850	1850	1850	1850	1850	1850
7	White Buns	250	250	250	250	250	250	250	250
8	Cornflakes	7960	7960	7960	7960	7960	7960	7960	7960
9	Potatoes-Irish	1615	1820	1800	1767	1639	1316	1345	1072
10	Potatoes-Sweet	914	952	954	855	837	815	699	330
11	Cassava-Heaps	907	1168	1199	1439	1034	1091	1026	614
12	Sugar-White(500g)	870	870	990	990	990	990	990	1100
13	Sugar-Brown	797	797	910	910	910	910	910	1000
14	Jam-Strawberry 500g	2144	2144	2144	2144	2144	2144	2144	2144
15	Biscuits	2595	2595	2595	2595	2595	2595	2595	2595
16	Sweets	700	700	700	700	700	700	700	700
17	Beans-White(Dried)	3238	3239	3274	2839	2839	3106	3186	2479
18	Beans-Brown(Dried)	2775	3143	3143	3074	5357	5630	5648	4040
19	Groundnuts-Shelled kg	4534	5122	5205	4651	5357	5410	5556	5200
20	Onions	2913	3407	3409	4615	4731	4270	4227	3053
21	Tomatoes	1271	1339	1660	2479	2823	2488	1812	1008
22	Cabbage	1086	1090	1094	824	873	686	520	428
23	Tanapusi	843	882	1024	931	1452	1051	827	684
24	Bananas	759	1176	1159	976	879	1102	961	779
25	Pineapple	1632	1844	1845	2229	1408	1205	1896	1794
26	Apple	6452	6452	6452	6452	6452	6452	6452	6452
27	Tinned Fruit 410g	4150	4150	4150	4150	4150	4150	4150	4150
28	Beef Kg	7000	7000	7000	7000	7000	8500	8500	8500
29	Bacon kg	5000	5000	5000	5000	5000	5000	5000	5000
30	Mutton/Lamb Kg	6500	6500	6500	6500	6500	6500	6500	6500
31	Chicken-Live	9533	9578	9682	8858	8255	9434	10504	8955
32	Chambo-Fresh	10890	10850	10866	9221	8991	19643	22231	9836
33	Chambo-Dry	14208	18241	20170	23333	36000	23913	20513	17358
34	Utaka-Dry kg	10298	12000	12195	19231	15152	15555	21212	20000
35	Eggs-Unit	3500	3500	3500	3500	3650	4650	4650	4650
36	Fresh Milk(0.5Litres)MDI	1550	1550	1550	1550	1550	1550	1550	1550

TA		Kapeni	Kapeni	Kapeni	Kuntaja	Machinjili	·····
-Village		Kaipa	•		•	Undi	Average
Maize grain	MK/kg	3.5			3.25	5	3.81
Cabbage	MK/piece	4					4.00
Tomato	MK/kg	1.1			0.75	2.5	1.45
Lettuce	MK/piece					2.5	2.50
Orange	MK/piece	0.5					0.50
Avocado	MK/piece		1			2.25	1.63
Mango	MK/piece	0.5			1		0.75
Lemon	MK/piece	0.35			0.1		0.23
Banana	MK/piece	0.375	0.5			1	0.63
Papaya	MK/piece	1	2		3		2.00
Live beef, 350kg	MK/head				6000		6000.00
Live goat, 60kg	MK/head	350	850	500	650	600	590.00
Live hen, 1.5kg	MK/head	100	100	70	125	60	91.00
Live pig, 60kg	MK/head				1000		1000.00
Fertilizer(CAN)	MK/kg	18		14	13.9	13.9	14.95
Compound D	MK/kg			20	17.9	14.7	17.53
Urea	MK/kg	15		18	16.8	14.3	16.03
Hybrid corn seed	MK/kg		4.5	77		70	50.50
Local corn seed	MK/kg		4.5	7.25			5.88
Insecticide	MK/kg	28	29				28.50
Animal manure	MK/kg				0.1		0.10
Seedling	MK/piece					15_	15.00_

Annex D-7	Farm Gate	Price of	[*] Agricultural	Commodity	/ in	1997/98
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Source:Socio-economic survey by the present study team. 1999

Annex D-8 Prices paid by ADMARC to Farmers Unit: MK/kg

Thirds D of field paid by Thoristics to Farmers Ont. Milling						
Crops/Year	1990/91	1993/94	1996/97	1997/98		
1. Tobacco, NDDF	3.35		12.00	18.27		
2. Chilies, Grade 1	2.55	2.40	-	36.08		
3. Maize	0.26	0.43	1.25	3.44		
4. Groundnuts, Grade A	1.00	1.50	4.00	7.26		
5. Paddy, Grade A	0.35	0.47	2.5	5.43		
6. Cotton Seed, Grade A	0.81	-	1.00	7.44		
7. Beans, Pure	0.65	1.15	1.50	8.57		
8. Soya Beans	0.60	1.23	1.70	4.26		
9. Sunflower, Pure	0.55	0.43	0.70	2.60		

Annex D-9	Prices Fertilizer	& Seeds by	ADMARC	Unit: MK

Annex	D-> TIRES FEITIMAT & BEEUS DY ADMARCE OME. MIX				
Input/Year	1990/91	1993/94	1996/7	1998/99	
1. CAN. (50kg)	38.00	72.63	270.00	695.00	
2. Urea (50kg)	40.70	64.20	342.00	840.00	
3. 23-21-0	45.00	81.48	350.00	895.00	
4. D. composite (50kg)	50.50	179.00	330.00	905.00	
5. S. composite (50kg)	45.00	162.00	320.00	725.00	
6. Maize seed (hybrid,	-	-	-	606.00	
MH18, 10kg)					