

Cropping Seasons, Acreage of Main Food/Cash Crops

LUZ	Cropping Season (%)		No HH	Acreage of Crops (sd)					
	One	Two		Coffee	Tea	Napier	Maize	Beans	
Sheep/dairy	22.5	74.5	195	0.0 (0)	0.2 (0.7)	0.2 (0.6)	0.9 (1.6)	0.3 (0.5)	
Tea/dairy	0	100	173	0.6 (0.9)	0.2 (0.6)	0.4 (0.6)	0.6 (1.0)	0.2 (0.6)	
Coffee/dairy	12.9	87.1	290	0.3 (0.7)	0.0 (0.1)	0.2 (0.6)	0.8 (1.3)	0.7 (1.2)	
Hort./dairy	22.5	77.5	182	0.5 (1.3)	0.0 (0)	0.2 (0.9)	1.0 (1.2)	0.8 (0.9)	
Wheat/dairy	45.5	54.6	138	0.0 (0)	0.0 (0)	0.1 (0.4)	1.4 (2.6)	1.1 (2.5)	
Urban	42.9	57.1	37	0.0 (0)	0.0 (0)	1.2 (7.1)	0.8 (2.1)	0.5 (1.1)	
Average			1015	0.3 (0.8)	0.1 (0.4)	0.3 (1.5)	0.9 (1.6)	0.6 (1.3)	

Numbers of Livestock Other Than Cattle

LUZ	Goats		Sheep	Poultry			Pigs	Donkeys
	Local	Dairy		Local	Layers	Broilers		
Urban	111	0	128	265	200	1045	138	2
Coffee/Dairy	219	15	462	1864	411	300	27	34
Hort/Dairy	809	32	504	1266	0	0	27	73
Sheep/Dairy	145	2	801	1303	12	0	18	46
Tea/Dairy	124	16	48	787	1323	10	60	0
Wheat/Dairy	294	38	674	1671	247	33	54	28
TOTALS	1702	103	2617	7156	2193	1388	324	183

Cattle Inventory and Mean Numbers/(sd)

LUZ	Local		Crosses		Grade	
	n	Mean (sd)	n	Mean (sd)	n	Mean (sd)
Sheep/dairy	12	6.7 (6.2)	46	6.5 (7.4)	73	5.0 (4.8)
Tea/dairy	3	1.3 (1.5)	46	2.3 (1.50)	91	2.0 (1.4)
Coffee/dairy	25	3.0 (2.8)	69	3.0 (2.8)	132	2.6 (1.8)
Hort./dairy	77	8.0 (11.0)	31	2.4 (1.7)	27	3.2 (2.2)
Wheat/dairy	10	11.1 (10.9)	61	4.6 (4.0)	32	5.4 (6.1)
Urban	2	4.0 (2.8)	6	4.5 (4.5)	12	11.3 (19.9)
Average	129	6.9 (9.6)	259	3.8 (4.3)	367	3.5 (5.0)

Main feeding System Practised (%) by Land use Zone - Now/Ago

LUZ	Grazing	Semi Zero	Stall Feeding
Sheep/dairy	28.3 /34.1	55.8/47.1	20.9/18.7
Tea/dairy	6.2/18.7	23.1/19.5	70.8/61.8
Coffee/dairy	17.3/27/8	39.6/32.2	43.2/39.5
Hort./dairy	47.1/57.8	23.5/24.5	29.4/17.6
Wheat/dairy	40.4/73.6	50.5/23.1	9.1/3.3
Urban	35.0/69.2	25.0/23.1	40.0/7.7
Overall	25.0/39.1	38.0/30.0	37.1/30.7

Predominant Dairy Breeds in the Herds (%)

LUZ	Friesian	Ayrshire	Jersey	Guernsey	Bos Indicus
Sheep/dairy	56.7	23.6	2.4	10.2	7.1
Tea/dairy	47.5	23.3	4.2	19.2	5.8
Coffee/dairy	38.4	18.5	3.2	17.1	27.8
Hort./dairy	19.8	6.0	0.9	5.2	68.1
Wheat/dairy	4.2	21.1	5.3	3.2	26.3
Urban	60.0	15.0	0.0	20.0	5.0
Overall	41.6	18.4	3.0	12.4	24.6

Production Performance

LUZ	Calving Interval (days)	Lactation Length (days)	Milk Prod. (litres)	Age at First Calving (mths.)
Sheep/dairy	494.3 (122.9)	522.0 (246.3)	4.8 (3.00)	31.9 (4.6)
Tea/dairy	594.5 (245.3)	560.2 (322.6)	5.0 (2.5)	30.6 (5.7)
Coffee/dairy	551.8 (191.6)	652.0 (378.0)	4.4 (2.3)	32.9 (7.3)
Hort./dairy	608.6 (285.7)	510.2 (290.4)	2.7 (2.6)	37.5 (9.5)
Wheat/dairy	551.7 (262.5)	434.3 (165.0)	4.6 (2.7)	32.3 (6.30)
Urban	502.4 (175.1)	660.0 (337.5)	6.3 (5.6)	30.5 (7.2)
Overall	559.5 (223.4)	559.8 (314.7)	4.4 (2.8)	32.9 (6.9)

Breeding and Source of Service (%)

LUZ	Pregnancy rate	Source of service				
		Bull	GOK	Coop.	Private	Others
Sheep/dairy	51.5	82.0	1.9	9.4	6.6	0.0
Tea/dairy	43.6	59.5	8.9	15.8	14.9	0.0
Coffee/dairy	46.9	68.0	7.8	9.8	14.4	2.2
Hort./dairy	48.0	87.8	1.7	1.7	6.6	0.0
Wheat/dairy	51.6	63.1	10.3	3.4	23.2	0.0
Urban	51.7	29.7	2.7	0.0	67.6	0.0
Overall	48.8	71.4	5.8	7.2	14.6	0.7

Quantities of Milk Consumed by HOUSEHOLD, Amounts Sold and Price per Litre

LUZ	Amt. Consumed (litres)	Amt. Sold (litres)	Price per litre (KSh)
Sheep/dairy	2.3 (1.4)	8.7 (7.6)	13.1 (1.9)
Tea/dairy	2.2 (1.0)	5.0 (4.1)	12.5 (2.1)
Coffee/dairy	2.3 (1.1)	5.1 (4.7)	13.3 (4.1)
Hort./dairy	2.1 (1.0)	5.1 (5.4)	16.2 (7.1)
Wheat/dairy	2.1 (1.1)	7.5 (9.0)	13.0 (2.4)
Urban	1.9 (0.4)	5.9 (3.2)	21.5 (98.1)
Overall	2.2 (1.1)	6.3 (6.5)	13.7 (4.3)

Primary Milk Sales Outlets (%)

LUZ	Individuals	Hotels/ Shops	Traders	Coop/SHG.	Processors	KCC
Sheep/dairy	20.0	13.7	17.9	20.0	10.5	17.9
Tea/dairy	41.2	13.2	23.5	22.1	-	-
Coffee/dairy	48.3	8.2	23.1	14.3	2.7	3.4
Hort./dairy	69.2	7.7	5.8	17.3	-	-
Wheat/dairy	38.6	7.8	34.9	-	15.7	3.6
Urban	46.7	40.0	-	6.7	-	6.7
Overall	42.0	10.5	21.5	14.1	5.9	5.7

Main Diseases Reported (%)

LUZ	ECF	Anaplasmosis	Mastitis	Worms	Respiratory
Sheep/dairy	29.6	32.4	5.6	8.3	9.3
Tea/dairy	24.4	21.8	11.5	10.3	5.1
Coffee/dairy	52.9	13.4	7.6	6.4	7.6
Hort./dairy	59.4	6.6	4.7	3.8	8.5
Wheat/dairy	57.6	9.8	6.5	5.4	5.4
Urban	61.1	5.6	5.6	5.6	5.6
Overall	46.9	16.0	7.0	6.6	7.3

Appendix 3 Summary Tabular Results by Production Potential and Market Access

Number and % of Total Households Surveyed, Total Agricultural and Dairy Households by Potentiality.

Potential	No. HH	Agricultural		Dairy	
		n	%	n	%
High - Low	110	110	100	98	89.1
High - Med	371	364	98.1	284	76.5
Med - High	378	146	38.6	92	24.3
Med – Low	78	42	53.8	36	46.2
Med - Med	381	351	92.1	230	60.4
Total/Av.	1318	1013	76.5	740	59.3

Household Head Characteristics

Potential	Sex (%)		Education level (%)				Farm mgt. (%)	Age
	Male	Female	None	Pri.	Sec.	Post-Sec.		
High - Low	76.1	23.9	10.4	58.5	23.6	5.8	76.1	
High - Med	74.7	25.3	10.2	53.9	28.2	7.0	68.9	
Med - High	72.5	27.5	7.0	33.7	36.1	20.6	22.8	
Med – Low	88.6	11.4	16.2	35.1	37.8	10.9	30.4	
Med - Med	77.5	22.5	19.6	54.8	20.2	5.1	58.2	
Total/Av.	77.9	22.1	12.7	47.2	29.2	9.9	51.3	