

Online supplements to:

Measuring rural welfare in colonial Africa:

Did Uganda's smallholders thrive?

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Online Supplement S1

Table S1: Farm surveys and censuses in banana areas with cash crops

Survey location	District	year surveyed	# of households surveyed	Household size	Means per household				Source of income for % of households			
					Food crops (acres)	Cotton (acres)	Coffee (acres)	Livestock (TLU)	Banana	Cotton	Coffee	Off-farm
Bukeka	Mengo	1935	72	3.6	3.2	1.4	0.9	0.4	<i>many^{a)}</i>	79%	53%	25%
Lubogo	Mengo	1935	60	4.4	3.2	2.2	0.4	0.3	92%	88%	68%	18%
Kawoko	Masaka	1936	87	3.4	2.8	0.6	0.9	0.2	97%	83%	69%	15%
Kayuji	Masaka	1936	61	2.9	1.9	0.9	0.3	1.6	95%	92%	51%	30%
Namakata	Mengo	1937	75	3.1	4.1	2.3	1.3	0.3	<i>many</i>	85%	56%	3%
Namakata	Mengo	1962	86	4.7	2.6	0.5	3.4	0.6	<i>many</i>	62%	99%	10%
Namungalwe	Busoga	1934	168	4.5	3.4	1.9	0.0	1.6	<i>many</i>	<i>many</i>	0%	17%
Mpita	Busoga	1935	36	4.8	3.5	2.1	0.0	0.4	<i>many</i>	<i>many</i>	0%	58%
Kitayunjwa	Busoga	1938	118	4.7	4.5	2.0	0.0	0.6	<i>many</i>	<i>many</i>	0%	31%
Bwase	Bugwere	1935	190	4.6	4.6	1.8	0.0	1.2	71%	96%	0%	2%
Bujenje	Bunyoro	1936	88	4.6	2.6	0.9	0.1	0.5	*	*	*	40%
Bujenje	Bunyoro	1961	133	3.4	3.5	1.1	0.1	0.3	68%	81%	15%	44%
Buchunga	Bunyoro	1961	102	3.6	2.6	0.4	0.1	0.8	87%	56%	41%	60%
District sample	West Mengo	1963	1250	4.3	2.0	0.3	1.1	0.7	96%	64%	91%	17%
District sample	East Mengo	1963	1524	4.5	2.3	0.6	1.1	0.9	86%	72%	81%	16%
District sample	Mubende	1963	288	3.7	2.0	1.4	0.5	0.8	94%	69%	83%	9%
District sample	Masaka	1963	1051	5.0	2.9	0.2	1.4	0.9	96%	43%	94%	11%
District sample	Busoga	1963	1057	4.5	2.7	1.1	0.3	1.2	90%	94%	36%	10%
District sample	Bukedi	1963	769	5.6	3.2	1.7	0.0	2.3	85%	98%	0%	9%
District sample	Bugisu/Sebei	1963	891	6.3	4.2	1.0	0.4	2.4	91%	33%	71%	14%
District sample	Bunyoro	1963	444	4.8	2.2	0.5	0.2	0.6	81%	62%	51%	30%
District sample	West Nile/Madi	1963	740	6.1	3.8	0.7	0.0	1.9	92%	48%	0%	16%
Unweighted average			(9290)	4.4	3.0	1.1	0.6	1.0	88%	72%	48%	22%

Notes: a) *Many* indicates that the far majority of households cultivated the crop but that no exact statistics have been recorded. Acreages are cultivated acreages. If land was cropped twice, it is included twice. If acreages of specific crops are noted to be intercropped, they are counted for half the stated acreage. Cattle are counted as 0.7 Tropical Livestock Units (TLU), goats and sheep as 0.1 TLU and chicken as 0.01 TLU, following International Livestock Centre for Africa 'Livestock production'. Note that in West Nile/Madi not banana, but cassava was the main staple.

Sources: Nye 'Bukeka Mutala', Stedman-Davies 'Agricultural survey of Lubogo', Masfield 'Mutala survey of Kawoko', Masfield 'Mutala survey of Kayuji', Todd 'Agricultural change in a Mutalla', Hayes and Struckey 'Survey of Mpita Mutala', Kirkham 'Survey carried out in Namungalwe', Kirkham 'Kitayunjwa Mutalla Survey', Maidment 'Bwase Mutala survey', Kirkham 'Mutala Survey of Bujenje', Dunbar 'Mutala survey of Bujenje (Kisonga)', Low 'Mutala Survey of Buchunga', Uganda *Agriculture 1935*, pp. 24-36, Uganda *Census*, Volumes 1 & III.

Table S2: Farm surveys and censuses in grain areas with cash crops

Survey location	District	year surveyed	# of households surveyed	Household size	Means per household				Source of income for % of households			
					Food crops (acres)	Cotton (acres)	Coffee (acres)	Livestock (TLU)	Grain	Cotton	Coffee	Off-farm
Kakusi	Teso	1936	267	3.3	2.9	3.2	0.0	2.3	many	many	0%	15%
Kasilang	Teso	1937	141	5.1	6.2	3.2	0.0	*	many	many	0%	6%
Kasilang	Teso	1953	173	5.1	5.6	2.2	0.0	*	many	many	0%	24%
Moruita	Teso	1955	190	5.1	6.9	3.3	0.0	*	many	many	0%	low
Kachumbala	Bugwere	1933	275	4.0	6.5	3.0	0.0	2.2	many	many	0%	12%
Ajuluku	Teso	1935	148	4.6	5.0	3.4	0.0	2.9	many	many	0%	low
Wera	Teso	1935	131	5.3	6.6	2.4	0.0	5.7	many	many	0%	low
Adwaa	Lango	1935	82	5.3	8.4	1.8	0.0	4.5	many	many	0%	24%
District sample	Teso	1963	1567	5.5	7.1	2.1	0.0	5.0	97%	96%	0%	10%
District sample	Lango	1963	710	5.7	6.1	2.0	0.0	4.2	93%	95%	0%	18%
District sample	Acholi	1963	513	6.7	7.7	2.4	0.0	2.3	93%	95%	0%	17%
Unweighted average			(4197)	5.1	6.3	2.6	0.0	3.6	94%	95%	0%	16%

Notes: see Table 1 of this appendix.

Sources: Williams 'Agricultural survey – Kakusi', Wilson & Watson 'Two surveys of Kasilang Erony', Wilson 'Agricultural survey of Moruita Erony', Maidment 'Mutala survey of Kachumbala', de Courcy-Ireland 'Agricultural Survey – Muraka', de Courcy-Ireland 'Agricultural Survey Teso district', Badcock 'Agricultural survey: Adwaa Pacho', de Courcy Ireland 'Agricultural survey of Ajuluku', Uganda *Census of Agriculture*, Volumes 1 & III

Table S3: Farm surveys and censuses in areas with few to no cash crops

Survey location	District	year surveyed	# of households surveyed	Household size	Means per household				Source of income for % of households			
					Food crops (acres)	Cotton (acres)	Coffee (acres)	Livestock (TLU)	Grain/Banana	Cotton	Coffee	Off-farm
Gayaza	Ankole	1935	43	4.2	2.6	0.0	0.1	0.3	91%	0%	53%	51%
Kasheregenyi	Kigezi	1936	23	5.7	6.3	0.0	0.0	1.2	many	0%	0%	100%
Kitozho	Kigezi	1938	175	5.4	4.4	0.0	0.1	2.4	82%	0%	18%	>77%
District sample	Ankole	1963	935	6.0	1.8	0.0	0.4	1.8	97%	0%	70%	30%
District sample	Kigezi	1963	875	6.5	4.3	0.0	0.1	0.8	96%	0%	41%	22%
Unweighted average			(2051)	5.6	3.9	0.0	0.1	1.3	92%	0%	36%	51%

Notes: see Table 1 of this appendix.

Sources: Milne 'Agricultural survey of Gayaza', Wickham 'Agricultural survey of Kasheregenyi Mutala', Purseglove and Wright 'Kitozho Mutala Survey', Uganda *Census of Agriculture*, Volumes 1 & III.

Table S4: Additional surveys of cash crop cultivation among Baganda smallholders (southern banana zone)

Survey location			# of households	# of households surveyed ¹⁾	Household size ²⁾	Cash crop Acres	% of in each acreage category			Average per category (acreage)		
County	Parish	Year surveyed					<1.5	1.5-8	>8	<1.5	1.5-8	>8
Buddu	Sabaddu	1962/63	1227	161		2.0	56%	40%	3%	0.7	2.9	12.9
Buddu	Musaale	1962/63	764	80	5.3	1.6	58%	42%	0%	0.8	2.7	13.3
Buddu	Mutuba III	1962/63	384	59		2.6	45%	54%	1%	1.0	3.1	80.0
Bulemezi	Sabaddu	1962/63	495	120		2.0	52%	47%	1%	0.7	3.2	12.0
Bulemezi	Sabagabo	1962/63	478	60	4.7	1.1	75%	25%	0%	0.7	2.3	n/a
Bulemezi	Sabawali	1962/63	447	120		2.3	46%	52%	2%	0.7	3.4	11.1
Busiro	Musyuka	1962/63	880	120		1.2	76%	24%	1%	0.6	2.9	10.0
Busiro	Sabaddu	1962/63	598	101	4.4	1.6	71%	28%	2%	0.6	2.8	23.3
Busiro	Sabawali	1962/63	480	79		1.5	67%	33%	1%	0.7	2.8	16.7
Kyagwe	Sabadu	1962/63	498	121		1.6	60%	39%	1%	0.7	2.8	12.0
Kyagwe	Sabagabo	1962/63	354	80	4.8	1.5	69%	30%	1%	0.6	3.1	13.3
Kyagwe	Mutuba III	1962/63	511	99		1.4	69%	30%	1%	0.6	2.8	11.7
Average			(7116)	(1200)	4.8	1.7	62%	36%	1%	0.7	2.9	15.1

Notes: 1) Households were selected on the basis of their cash crop acreage. The selection does not affect the % in each acreage category. 2) Household sizes were reported as County averages.

Sources: Uganda Coffee growers in Buganda

Online Supplement S2

Urban wages and prices

	Monthly wage rate, shilling		Producer prices, cent/lbs		Market prices (Kampala), cent/lbs unless otherwise indicated												
	Unskilled (Kampala)	Unskilled (Rural)	Cotton (Uganda)	Coffee (Buganda)	Banana	Maize	Millet	Sorghum	Cassava	Sweet Potato	Beans	Beef	Sugar	Cooking oil	Cloth (cent/yard)	Soap	Kerosene (cent/gallon)
1915	7.3	4.6	10.5	9.0	2.5	4.2	4.2	4.4	2.8	4.2	7.5	25.0	33.0	25.0	29.0	*	250.0
1916	9.8	6.1	12.2	10.1	1.3	3.7	4.5	4.5	8.3	1.4	7.5	33.0	50.0	25.0	38.0	*	*
1917	9.8	6.1	17.2	9.7	2.8	8.3	16.7	*	*		7.5	41.7	58.3	25.0	44.1	*	*
1918	9.8	6.1	16.2	9.1	5.0	20.0	*	*	16.7	4.7	15.0	50.0	50.0	50.0	50.6	*	*
1919	11.4	5.3	28.0	12.8	2.5	10.0	8.3	8.3	*	5.4	15.0	50.0	100.0	50.0	71.2	*	*
1920	13.8	6.4	54.0	17.0	1.5	6.0	*	*	2.0	3.0	15.0	50.0	83.3	50.0	64.4	80.0	550.0
1921	13.8	6.4	8.0	8.9	1.5	6.0	*	*	2.0	3.0	15.0	50.0	83.3	50.0	64.4	80.0	550.0
1922	13.8	6.4	30.0	8.6	*	*	*	*	*	*	*	*	*	*	*	*	*
1923	23.6	13.0	29.0	11.8	3.6	8.0	*	12.0	10.0	4.0	15.0	66.0	60.0	50.0	53.3	40.0	640.0
1924	23.6	22.5	28.0	25.0	5.4	15.6	*	10.0	13.0	6.0	15.0	66.0	60.0	50.0	53.3	40.0	512.0
1925	47.1	14.6	25.0	20.9	3.8	15.6	*	*	3.3	*	15.0	60.0	38.0	50.0	53.3	40.0	320.0
1926	30.9	13.5	18.0	18.8	3.8	77.9	20.0	20.0	3.3	*	20.0	100.0	35.0	40.0	50.0	40.0	288.0
1927	26.8	13.0	16.0	17.5	3.8	77.9	20.0	20.0	3.3	*	20.0	100.0	45.0	40.0	50.0	40.0	250.0
1928	30.9	14.1	20.0	18.2	3.8	19.5	5.0	25.0	20.0	*	10.0	66.0	40.0	40.0	70.0	60.0	262.5
1929	26.0	9.8	18.0	19.2	3.8	15.6	5.0	25.0	20.0	*	10.0	66.0	40.0	40.0	70.0	60.0	250.0
1930	26.0	9.8	15.1	15.2	2.0	7.8	5.0	25.0	6.7	*	10.0	50.0	25.0	40.0	55.0	86.0	250.0
1931	14.6	9.8	10.8	10.3	3.8	15.6	10.0	20.0	1.7	*	10.0	150.0	25.0	28.0	60.0	20.0	212.5
1932	13.0	8.7	10.7	11.5	1.5	9.7	10.0	10.0	1.7	*	10.0	50.0	25.0	20.0	50.0	20.0	212.5
1933	15.8	8.5	8.8	9.4	2.5	15.6	10.0	10.0	10.0	4.0	6.0	33.0	20.0	20.0	50.0	8.0	162.5
1934	16.5	6.9	10.1	8.5	2.5	7.8	10.0	10.0	1.0	1.8	10.0	40.0	20.0	20.0	50.0	8.0	162.5
1935	16.5	7.5	11.7	8.2	2.5	7.8	10.0	10.0	2.0	2.0	10.0	30.0	10.0	20.0	50.0	20.0	150.0

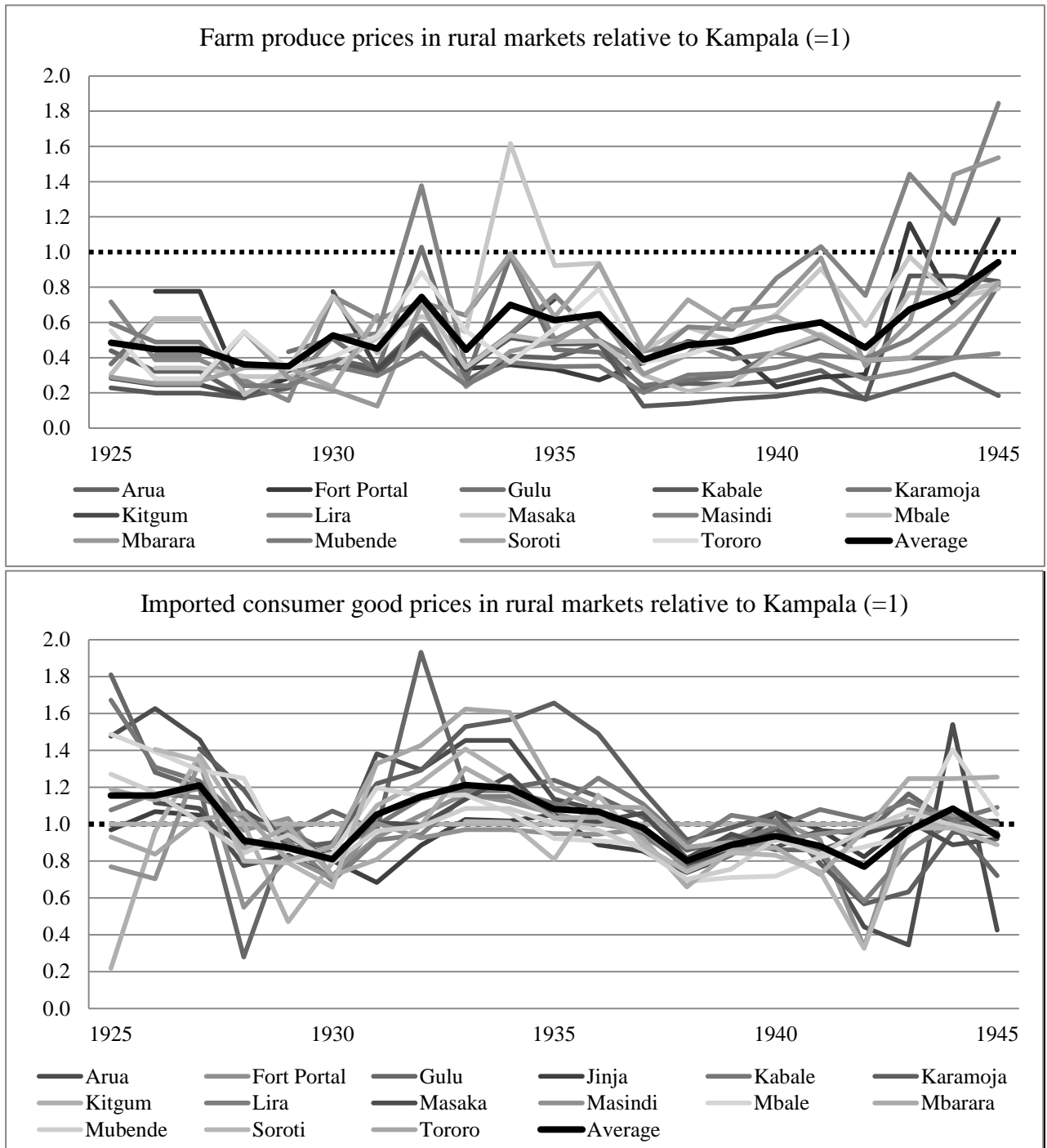
	Monthly wage rate, shilling		Producer prices, cent/lbs		Market prices (Kampala), cent/lbs unless otherwise indicated												
	Unskilled (Kampala)	Unskilled (Rural)	Cotton (Uganda)	Coffee (Buganda)	Banana	Maize	Millet	Sorghum	Cassava	Sweet Potato	Beans	Beef	Sugar	Cooking oil	Cloth (cent/yard)	Soap	Kerosene (cent/gallon)
1936	16.5	7.5	9.5	7.4	1.9	11.7	10.0	10.0	2.0	2.0	10.0	40.0	10.0	20.0	50.0	20.0	162.5
1937	16.5	7.5	13.2	7.5	2.5	7.8	10.0	10.0	20.0	10.0	10.0	40.0	13.0	30.0	50.0	20.0	175.0
1938	16.5	7.5	8.2	5.5	4.4	11.7	12.0	12.0	6.0	6.0	11.0	40.0	11.0	60.0	50.0	20.0	175.0
1939	18.0	7.5	7.6	5.5	3.3	19.5	10.0	10.0	6.0	4.0	10.0	40.0	14.0	30.0	60.0	24.0	200.0
1940	23.3	9.2	10.3	9.5	2.5	11.7	10.0	10.0	6.0	4.0	6.0	40.0	17.0	30.0	60.0	32.0	188.3
1941	23.3	10.9	8.8	15.5	2.5	3.0	10.0	10.0	10.0	2.0	6.0	40.0	17.0	30.0	100.0	48.0	191.3
1942	23.3	10.9	7.7	9.1	3.8	11.7	8.0	10.0	7.0	4.0	8.0	40.0	19.0	30.0	200.0	42.0	191.3
1943	21.0	10.9	12.6	13.0	3.8	11.7	10.0	10.0	7.0	3.0	8.0	40.0	18.0	30.0	200.0	55.0	191.3
1944	21.0	10.9	13.2	12.4	3.8	11.7	10.0	10.0	7.0	3.0	9.0	40.0	18.0	30.0	200.0	55.0	191.3
1945	16.5	10.2	14.8	14.0	3.8	11.7	10.0	10.0	5.0	2.0	10.0	60.0	22.0	30.0	200.0	55.0	177.0
1946	18.0	11.8	16.4	15.0	*	*	*	*	*	*	*	*	*	*	*	*	*
1947	25.0	13.4	18.5	17.0	*	*	*	*	*	*	*	*	*	*	*	*	*
1948	15.0	13.4	20.4	19.0	*	*	*	*	*	*	*	*	*	*	*	*	*
1949	26.0	15.3	29.6	21.0	7.0	13.0	*	*	5.0	6.0	22.0	45.0	24.0	69.6	283.3	89.0	328.6
1950	29.0	18.4	31.8	25.0	*	*	*	*	*	*	*	*	*	*	*	*	*
1951	28.5	18.4	43.2	40.0	*	*	*	*	*	*	*	*	*	*	*	*	*
1952	35.0	24.0	47.6	50.0	8.0	28.0	*	*	8.0	8.0	42.0	120.0	46.0	121.4	239.8	136.0	492.9
1953	43.4	30.0	48.6	70.0	21.0	28.0	*	*	17.0	19.0	38.0	150.0	62.0	116.0	206.3	117.0	385.7
1954	45.5	33.0	49.4	100.0	16.8	26.0	*	*	*	*	*	189.5	44.6	*	*	*	277.3
1955	70.0	45.0	58.8	125.0	8.8	27.0	*	*	*	*	*	190.0	50.5	*	*	*	314.0
1956	65.5	52.0	52.1	75.0	7.4	25.0	*	*	17.5	13.0	*	190.0	54.0	136.5	143.0	146.0	327.8
1957	55.5	40.0	53.3	80.0	8.3	26.0	*	*	17.5	10.0	32.0	199.0	54.0	273.1	*	110.0	428.6
1958	64.5	43.0	54.9	80.0	8.3	30.0	*	*	14.0	17.0	30.0	151.0	60.0	110.9	208.0	160.0	392.9
1959	64.5	44.0	44.2	68.0	8.2	25.0	*	*	13.3	12.0	30.0	149.0	60.0	213.3	232.0	160.0	364.0

	Monthly wage rate, shilling		Producer prices, cent/lbs		Market prices (Kampala), cent/lbs unless otherwise indicated												
	Unskilled (Kampala)	Unskilled (Rural)	Cotton (Uganda)	Coffee (Buganda)	Banana	Maize	Millet	Sorghum	Cassava	Sweet Potato	Beans	Beef	Sugar	Cooking oil	Cloth (cent/yard)	Soap	Kerosene (cent/gallon)
1960	44.5	58.0	44.8	56.0	6.0	22.0	*	*	8.4	9.0	30.0	150.0	60.0	213.3	250.0	154.0	372.3
1961	54.5	68.5	52.2	50.0	10.5	25.0	*	*	13.0	14.0	30.0	150.0	60.0	211.2	266.0	127.0	368.8
1962	112.0	82.6	52.1	55.0	5.4	26.0	*	*	9.8	11.0	33.0	150.0	63.0	213.3	200.0	111.0	463.8
1963	112.0	100.0	53.6	48.0	6.1	28.0	*	*	20.3	17.0	33.0	155.0	63.0	213.3	195.0	118.0	388.8
1964	112.0	100.0	56.5	57.0	7.5	29.0	*	*	13.3	11.0	27.0	177.0	63.0	289.7	200.6	118.0	400.0
1965	137.0	125.0	54.0	43.0	11.0	41.9	*	*	18.9	20.0	44.0	180.0	65.0	266.7	200.0	133.0	355.0
1966	137.0	125.0	56.0	40.0	10.1	39.0	*	*	7.0	10.0	45.9	185.5	65.0	264.4	200.0	181.1	405.0
1967	137.0	125.0	34.6	40.0	12.5	30.9	*	*	10.5	19.1	45.9	180.5	65.0	307.7	200.0	131.2	400.0
1968	137.0	130.0	42.3	40.0	9.3	32.2	*	*	10.5	13.2	48.2	194.5	65.0	305.4	299.5	180.2	428.6
1969	137.0	130.0	51.3	40.0	12.7	43.1	*	*	10.5	20.0	67.3	223.6	70.0	394.3	409.1	166.2	428.6

Notes & Sources: Unskilled urban wage rates are monthly wages of unskilled construction workers employed by the colonial government. Unskilled wage rates from 1915 to 1945 are from the *Blue Books*: wages for 1915 to 1919 refer to ‘native porters Buganda’, 1920 to 1924 to ‘trade and manufacture’, 1925 to 1930 to ‘government employment’ (average of minimum and maximum rates), 1931 to 1945 to ‘government employment – public works’ (average of minimum and maximum rates). Wages from 1946 to 1953 are from Uganda *Department of Labour*: 1947 refers to ‘public works department – central areas’ 1948 to 1953 refer to ‘building and construction’. Wages from 1954 to 1970 are from the *Statistical Abstracts*, and refer to ‘construction’. To ensure conservative assumptions in the light of my argument (i.e. to make sure that I would not underestimate wage rates in the colonial era, and that I would not overestimate them in the late-colonial and early post-colonial period) I took the average rather than the log-average (used by Frankema and van Waijenburg ‘Structural impediments’) whenever minimum and maximum rates rather than averages were reported. I also multiplied the averages by 1.5 for the period up to 1945 to represent the higher wage rates in Kampala relative to other areas of employment and did not make this correction for the post-war era. For the period from 1946 to 1970 wage rates were grouped in different ranges. I took the modal range (the most common one, i.e. 125 to 149 shilling) and took the mean of this range. Producer prices of cotton are average prices paid in cents to farmers per lbs. of unginced (seed) cotton of good quality. A number of more specific breakdowns suggest that price differences for cotton paid to cultivators in the key producing regions were not very large. This is an understandable reality. Cotton was only a marginally interesting proposition for smallholders. If the producer prices for a specific region would drop significantly below this average price, local smallholders would choose alternative sources of income over the cultivation of cotton. Coffee are prices in cent of ‘Kiboko’ (unhulled) coffee per lbs paid to farmers in Buganda. Prices are reported in different sources, summarized in Jorgensen *Uganda*. Scattered price observations of coffee before 1945 are from Uganda *Department of Agriculture*. For years without price observations, I interpolate, taking the grower price to be 25% of the export price of Uganda coffee. Kampala prices from 1915 to 1945 are from the *Blue Books*. Prices from 1945 to 1970 are from the *Statistical Abstracts*. In the absence of cooking oil prices up until 1945, I used the price of sesame seed multiplied by two (sesame seed has approximately 50% fat content and was used widely for cooking). Banana prices up until 1945 were reported as ‘bunches’. I assume a bunch weight of 40 lbs. See Masefield “Some recent observations”.

Online Supplement S3

Rural-urban price differences, 1925-1945



Notes: a) I use the weights of products in the barebones subsistence basket (see table 3 in the main text) to create indices. Farm produce includes either the cheapest of millet, sorghum and maize (grain areas) or banana (banana areas) and meat. Beans had to be excluded due to a lack of bean prices in rural markets. Basic consumer goods include oil, sugar, cloth, soap, and kerosene. b) The sudden rise of farm prices in rural areas in 1942-45 (especially in the banana areas west of Kampala) should be partly attributed to several consecutive failed harvests in combination with an active campaign by the colonial state to export maize to aid the war effort. See *Uganda Agriculture* for the years 1942-45 for more details.

Sources: Uganda. *Blue Books*, 1901-1945

Online Supplement S4

Urban and rural labour surveys

Location	Timing	Setting	Sample size	% 'migrants'	% living without dependents	% of income from wage	% with <u>local</u> smallholding
Kampala	March-April 1949	Urban	68	84%	78%	91%	<i>n/a</i>
Kampala	September 1950	Urban	55	65%	64%	86%	<i>n/a</i>
Kampala	September 1951	Urban	110	72%	60%	79%	<i>n/a</i>
Kampala	September 1952	Urban	155	68%	79%	81%	28%
Kampala	September 1953	Urban	175	82%	74%	78%	25%
Kampala	February 1957	Urban	171	80%	67%	89%	26%
Kampala	February 1964	Urban	180	79%	33%	91%	12%
Jinja	November 1951	Urban	96	<i>n/a</i>	<i>n/a</i>	83%	<i>n/a</i>
Jinja	November 1952	Urban	104	82%	74%	81%	13%
Jinja	June 1965	Urban	150	88%	27%	87%	35%
Mbale	March 1950	Rural	55	31%	47%	36%	53%
Mbale	February 1958	Rural	111	34%	37%	62%	56%
Mbale	June 1967	Rural	178	54%	16%	78%	78%
Fort Portal	February 1960	Rural	133	3%	28%	37%	76%
Gulu	February 1961	Rural	198	34%	<i>n/a</i>	56%	99%
Average (unweighted)		Urban	10	78%	62%	85%	22%
Average (unweighted)		Rural	5	31%	32%	54%	72%

Notes: The survey results must be treated with care because samples were not completely randomly selected and the surveyors admitted that they probably significantly underestimated non-wage income. 'Migrants' are defined as: all non-Baganda in Kampala, all non-Bagishu, -Bagwere or -Banyuli in Mbale, all non-Batooro in Fort Portal and all non-Acholi in Gulu.

Sources: Uganda African labourers in Kampala 1949, Uganda Unskilled workers in Kampala 1952, Uganda Unskilled workers in Kampala 1953, Uganda Unskilled workers in Kampala 1957, Uganda Unskilled workers in Kampala 1964, Uganda Unskilled workers in Jinja 1952, Uganda Unskilled workers in Jinja 1965, Uganda African unskilled labourers in Mbale 1950, Uganda African unskilled workers Mbale 1958, Uganda African unskilled workers Mbale 1967, Uganda African unskilled labourers in Fort Portal 1960, Uganda African unskilled labourers in Gulu 1961.

Online Supplement S5

Smallholder household income surveys (subsistence income not included)

Location	Income class	Sample size	Sources of cash income (value and share in total)											
			Coffee		Cotton		Other (farm)		Wage labour		Other (non-farm)		Total	
			Shs	%	Shs	%	Shs	%	Shs	%	Shs	%	Shs	%
Bujenje (1936)	Village average	88	0	0%	64	57%	16	14%	30	27%	2	2%	112	100%
Gulu area (1955)	>1000 shs	14	0	0%	666	30%	371	17%	413	19%	737	34%	2187	100%
	500-999 shs	20	0	0%	289	43%	139	21%	120	18%	126	19%	674	100%
	<500 shs	26	0	0%	198	65%	50	16%	37	12%	20	7%	305	100%
Masaka area (1955)	>4000 shs	18	2733	27%	105	1%	2516	25%	22	0%	4572	46%	9948	100%
	2000-3999 shs	23	1138	42%	46	2%	452	17%	138	5%	943	35%	2717	100%
	<2000 shs	29	276	24%	113	10%	217	19%	229	20%	333	29%	1168	100%
Buganda (1962/63)	>8 acres	41	2559	68%	3	0%	486	13%	466	12%	264	7%	3777	100%
	1.5-8 acres	777	918	59%	31	2%	152	10%	166	11%	279	18%	1547	100%
	<1.5 acres	346	319	35%	17	2%	88	9%	194	21%	305	33%	923	100%

Notes: ‘Other (farm)’ includes sales of food crops, livestock and beer. ‘Other (non-farm)’ includes gifts, sales of home-made crafts and income from trade. The manylighted income classes are most consistent with the typical farm estimates. The estimated cotton income from a typical smallholding in the banana region in 1936 was 76 Shs (compare Bujenje). The estimated cotton income from a typical smallholding in the grain region in 1955 was 294 Shs (compare Gulu, which is situated in Acholi District). The estimated coffee income from a typical smallholding in the banana region was 1875 Shs in 1955 and 773 in 1962/63 (compare Masaka and Buganda). Smallholders in Bujenje, in fact, obtained 49 Shs from tobacco instead of cotton. Since tobacco was also a commercial annual field crop, I add it to cotton. When the village was re-surveyed in 1961, the entire tobacco acreage had been replaced by cotton.

Sources: Kirkham ‘Mutala Survey of Bujenje’, Marketing Development Company *Market surveys*, Uganda *Coffee growers in Buganda*

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