

Supplementary Information

Table S1. Raw data used in the analyses.

Years	Area of maize harvested (ha)	Quantity of maize produced (tonnes)	Quantity of maize Seeds (tonnes)	Rainfall (mm)	Temperature °C	Forest Area (k ha)
1961	460,000	360,000	14,100	139.92	23.62	30,907
1962	470,000	350,000	13,500	147.38	23.48	30,687
1963	450,000	340,000	13,050	135.89	23.91	30,467
1964	435,000	330,000	13,050	138.54	23.83	30,247
1965	435,000	330,000	12,600	137.78	23.59	30,027
1966	420,000	320,000	12,390	146.59	23.6	29,807
1967	413,000	310,000	13,050	132.48	23.35	29,587
1968	435,000	355,000	12,900	133.55	23.33	29,367
1969	430,000	400,000	13,800	150.73	23.64	29,147
1970	460,000	412,000	14,700	134.91	23.5	28,927
1971	490,000	445,000	14,775	147.64	23.24	28,707
1972	492,500	448,000	15,600	136.13	23.33	28,505
1973	520,000	448,000	16,500	133.43	23.8	28,285
1974	550,000	500,000	16,134	139.73	23.3	28,065
1975	537,800	661,620	15,712	134.91	23.11	27,845
1976	523,737	465,469	15,950	136.77	22.96	27,625
1977	531,654	477,338	16,104	127.99	23.45	27,405
1978	536,802	400,983	16,346	148.59	23.08	27,185
1979	544,860	407,638	14,919	132.7	23.73	26,965
1980	497,311	413,680	13,245	135.41	23.8	26,745
1981	441,500	431,495	13,811	128.37	23.64	26,525
1982	460,380	503,120	14,250	137.39	23.72	26,305
1983	475,000	488,800	6212	108.21	24.27	26,085
1984	207,064	375,063	5583	125.48	23.91	25,865
1985	186,092	309,752	6067	132.58	23.78	25,645
1986	202,240	389,269	6067	122.49	24.05	25,425
1987	202,226	386,887	5616	117.26	24.45	25,205
1988	187,187	366,735	6234	130.95	24.23	24,985
1989	207,790	387,321	5970	123.45	23.85	24,765
1990	199,000	369,000	7500	129.5	24.38	24,545
1991	250,000	495,000	11,400	130.41	24.26	24,325
1992	380,000	531,000	13,500	144.46	23.79	24,105
1993	450,000	507,000	13,500	136.7	24.21	23,885
1994	450,000	524,000	12,000	134.45	24.39	23,665
1995	400,000	618,000	12,000	130.41	24.41	23,445
1996	400,000	750,000	11,250	137.1	24.3	23,225
1997	375,000	760,000	12,580	137.6	24.34	23,005
1998	419,340	793,000	9090	128.45	25.11	22,785
1999	303,003	785,000	9036	137.37	24.47	22,565
2000	301,212	741,447	9080	128.12	24.4	22,345
2001	302,667	738,627	12,497	120.37	24.44	22,125
2002	416,579	861,456	13,747	128.08	24.92	21,905

Table S1. *Cont.*

Years	Area of maize harvested (ha)	Quantity of maize produced (tonnes)	Quantity of maize Seeds (tonnes)	Rainfall (mm)	Temperature °C	Forest Area (k ha)
2003	458,237	912,280	15,122	104.3	25.12	21,685
2004	504,060	966,106	14,770	114.01	25.05	21,465
2005	492,347	1,050,396	16,867	102.72	25.33	21,245
2006	562,235	1249,489	19,832	125.26	23.65	21,025

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