

Supplementary Review Table 1: Household land tenure security index transition matrix between survey years

Land tenure security index transitions	Survey year		Percent
	2013	2017	
1	lack security	possess security	6.38
2	possess security	lack security	3.96
3	possess security	possess security	89.62
4	lack security	lack security	0.36
Total			100

Notes: The Table above reports a transition matrix by presenting the percentage contributions of the four available transitions in land tenure security index across households between 2013 and 2017, the two waves of data used in the regression of the estimated results reported in the paper.

Supplementary Review Table 2: Multiple hypothesis test for the main results (Manuscript – Table 2)

Variables	Dependent variables:											
	Panel A: Table 2 column 1			Panel B: Table 2 column 2			Panel C: Table 2 column 3			Panel D: Table 2 column 4		
	Multiple hypothesis			Multiple hypothesis			Multiple hypothesis			Multiple hypothesis		
	<i>est-p</i> (1)	p-val (2)	f-val (3)	<i>est-p</i> (1)	p-val (2)	f-val (3)	<i>est-p</i> (1)	p-val (2)	f-val (3)	<i>est-p</i> (1)	p-val (2)	f-val (3)
Tenure security	0.001	0.007	11.66	0.000	0.000	23.90	0.002	0.014	10.06	0.230	1.000	1.46
15 th percentile	0.033	0.233	4.66	0.946	1.000	0.00	0.352	1.000	0.88	0.677	1.000	0.18
~land tenure index	0.004	0.026	8.88	0.792	1.000	0.07	0.175	1.000	1.87	0.477	1.000	0.51
30 th percentile	0.320	1.000	1.00	0.892	1.000	0.02	0.826	1.000	0.05	0.217	1.000	1.55
~land tenure index	0.207	1.000	1.62	0.571	1.000	0.32	0.819	1.000	0.05	0.433	1.000	0.62
50 th percentile	0.001	0.008	11.23	0.005	0.037	8.14	0.047	0.328	4.06	0.006	0.042	7.92
~land tenure index	0.000	0.002	13.74	0.000	0.000	18.63	0.066	0.465	3.45	0.038	0.266	4.43
All	NA	0.000	6.44	NA	0.000	5.25	NA	0.010	2.85	NA	0.030	2.34

Notes: The table above provides multiple hypothesis test results for results reported in Table 2. ~land tenure index indicates an interaction of preceding drought thresholds and the land tenure security index indicator. The results reported in columns (2) and (3) under the multiple hypothesis heading for each dependent variable are from Bonferroni-adjusted tests. Estimated p-values are reported as *est-p* in column (1) of each dependent variable. Panels A – D are related to each dependent variable estimated in Table 2 in the paper. These are Food insecurity concern indicator (week); Food security score; Food resilience and Food consumption score (indicator) respectively. Emboldened values are significant at 10 percent or less.

Supplementary Review Table 3: Distribution of drought shocks by year

Variables	year 2013		year 2017	
	Mean	Std. Dev.	Mean	Std. Dev.
Wide-range Drought shock (50 th percentile threshold)	0.977	0.151	0.939	0.240
Mid-range Drought shock (30 th percentile threshold)	0.528	0.499	0.318	0.466
Extreme Drought shock (15 th percentile threshold)	0.000	0.000	0.149	0.356