

Supplementary Materials: Impact of Land Use Rights Transfer on Household Labor Productivity: A Study Applying Propensity Score Matching in Chongqing, China

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Table S1. Summary statistics for the matching variables based on the samples of households renting out land.

Variables	Mean	p50	SD	Min.	Max.	N
EDU	2.150	2	0.710	1	5	1066
LABOR	2.790	3	1.180	0.500	7	1066
AIR	0.170	0.050	0.240	0	0.900	1066
INCOMEPE	8.790	9	1.010	5.520	10.66	1066
LAND	7.580	4.140	10.35	0.500	71.50	1066
AREAP	2.460	1.490	3.550	0.0800	26.68	1066
HASSET	6.700	6.960	1.070	3.910	9.950	1066
NOMACH	2.490	2	1.810	0	9	1066
LOCATION	0.800	1	0.400	0	1	1066

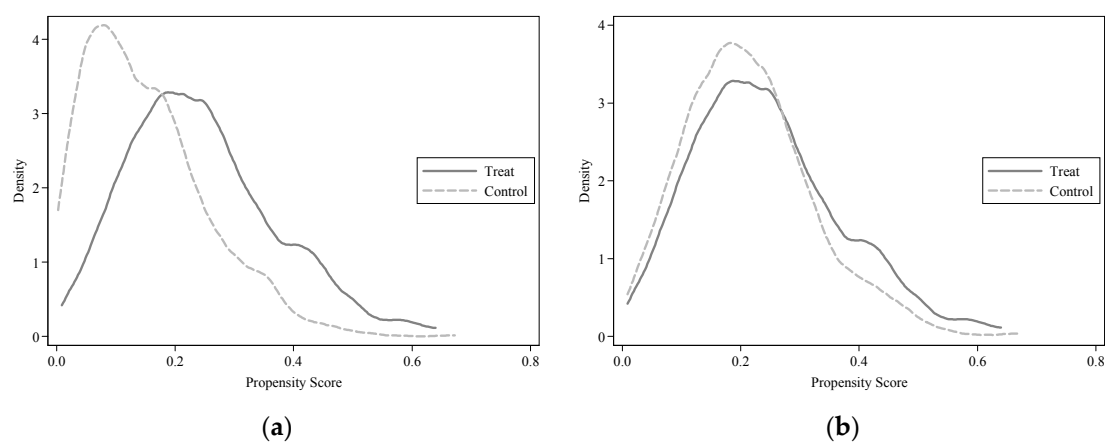
Table S2. Estimation of the propensity score for renting out land.

Variables	(1)	(2)	(3)	(4)	(5)
EDU	0.243 *** (2.66)	0.226 ** (2.47)	0.226 ** (2.50)	0.228 ** (2.52)	0.243 *** (2.62)
LABOR	-0.136 ** (-2.07)	-0.141 ** (-2.09)	-0.137 ** (-2.08)	-0.140 ** (-2.13)	-0.134 ** (-1.97)
AIR	-1.996 *** (-6.00)	-2.016 *** (-6.08)	-2.042 *** (-6.12)	-2.008 *** (-6.04)	-2.023 *** (-6.03)
INCOMEPE	0.299 *** (3.82)	0.282 *** (3.67)	0.286 *** (3.71)	0.282 *** (3.68)	0.306 *** (3.88)
LAND	-0.0190 (-1.58)	-0.0190 (-1.55)	-0.0180 (-1.39)	-0.0190 (-1.56)	-0.0180 (-1.39)
AREAP	0.100 *** (2.80)	0.100 *** (2.78)	0.094 ** (2.55)	0.100 *** (2.80)	0.094 ** (2.50)
NOMACH	-0.081 ** (-2.00)	-0.079 * (-1.95)	-0.077 * (-1.91)	-0.078 * (-1.94)	-0.079 * (-1.94)
HASSET	-0.122 * (-1.65)	-0.116 (-1.57)	-0.119 (-1.60)	-0.117 (-1.59)	-0.126 * (-1.69)
LOCATION	0.354 ** (2.08)	0.359 ** (2.11)	0.361 ** (2.12)	0.359 ** (2.11)	0.357 ** (2.09)
HEAL	0.149 (1.23)				0.159 (1.30)
MARR		-0.007 (-0.07)			-0.005 (-0.05)
OCCUP			-0.093 (-0.56)		-0.118 (-0.70)
INSURANCE				-0.053 (-0.33)	-0.044 (-0.28)
Region dummies	Yes	Yes	Yes	Yes	Yes
Constant	-3.824 *** (-3.94)	-3.218 *** (-3.79)	-3.176 *** (-3.77)	-3.221 *** (-3.84)	-3.785 *** (-3.87)
Pseudo-R ²	0.175	0.175	0.175	0.176	0.178
AUC	0.775	0.775	0.775	0.775	0.776
N	1066	1066	1066	1066	1066

*, **, and *** represent coefficients significant at or under 10%, 5% and 1% respectively.

Table S3. Balancing hypothesis test: variables' characteristics of before and after the match (renting out land).

Variable	Unmatched		Mean		Bias (%)	t-Value	p-Value
	Matched	Treated	Control				
EDU	U	2.289	2.121	23.90	3.26	0.001	
	M	2.289	2.236	4.60	0.77	0.441	
LABOR	U	2.809	2.791	1.60	0.21	0.832	
	M	2.809	2.751	4.90	0.53	0.593	
AIR	U	0.082	0.182	-49.1	-5.71	0.000	
	M	0.082	0.085	-1.60	-0.26	0.806	
INCOME _P	U	9.058	8.733	34.60	4.45	0.000	
	M	9.058	9.016	4.40	0.52	0.603	
LAND	U	8.478	7.407	10.91	1.42	0.156	
	M	8.478	8.206	2.81	0.29	0.775	
AREAP	U	2.693	2.408	8.00	1.11	0.271	
	M	2.693	2.645	1.31	0.14	0.885	
HASSET	U	6.714	6.694	1.91	0.26	0.795	
	M	6.714	6.724	-1.00	-0.11	0.912	
NOMACH	U	2.391	2.508	-6.41	-0.88	0.379	
	M	2.391	2.356	2.00	0.21	0.839	
LOCATION	U	0.831	0.796	9.00	1.21	0.227	
	M	0.831	0.833	-0.61	-0.06	0.951	

**Figure S1.** Common support test: renting out land. (a) Before matching; (b) after matching.