

Supplementary:

Table S1. Effect of farmers' risk perception on LCAT adoption: Benchmark return (with control variables).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	OLS	OP	OLS	OP	OLS	OP	OLS	OP
General risk perception	0.137*** (0.039)	0.159*** (0.045)						
Yield risk perception			0.313** (0.150)	0.371** (0.171)				
Market risk perception					0.392*** (0.092)	0.456*** (0.107)		
Climate risk perception							0.325*** (0.095)	0.372*** (0.108)
Age	-0.004 (0.004)	-0.004 (0.005)	-0.002 (0.004)	-0.002 (0.005)	-0.002 (0.004)	-0.002 (0.005)	-0.003 (0.005)	-0.003 (0.005)
Gender	0.078 (0.166)	0.084 (0.188)	0.047 (0.167)	0.047 (0.187)	0.054 (0.166)	0.056 (0.188)	0.050 (0.164)	0.052 (0.185)
Education level	0.062 (0.052)	0.068 (0.058)	0.072 (0.052)	0.079 (0.058)	0.047 (0.052)	0.050 (0.059)	0.072 (0.052)	0.080 (0.058)
Income	-0.056 (0.072)	-0.070 (0.083)	-0.049 (0.073)	-0.061 (0.083)	-0.045 (0.074)	-0.057 (0.085)	-0.046 (0.073)	-0.058 (0.084)
Agricultural labor	0.101 (0.069)	0.122 (0.078)	0.113 (0.071)	0.134* (0.079)	0.078 (0.070)	0.096 (0.079)	0.113 (0.070)	0.135* (0.079)
Non-farm income	0.320 (0.300)	0.379 (0.349)	0.325 (0.296)	0.381 (0.341)	0.294 (0.308)	0.348 (0.359)	0.319 (0.298)	0.377 (0.345)
Distance from township government	-0.029 (0.023)	-0.032 (0.026)	-0.037 (0.024)	-0.042 (0.027)	-0.023 (0.023)	-0.026 (0.026)	-0.025 (0.022)	-0.028 (0.025)
Land	0.013 (0.011)	0.016 (0.016)	0.014 (0.011)	0.017 (0.016)	0.012 (0.011)	0.016 (0.016)	0.013 (0.011)	0.016 (0.016)
Degree of cultivated land fragmentation	-0.061 (0.043)	-0.073 (0.049)	-0.070* (0.043)	-0.083* (0.049)	-0.062 (0.042)	-0.075 (0.049)	-0.067 (0.043)	-0.080 (0.050)
Land titling	0.320*** (0.115)	0.376*** (0.133)	0.310*** (0.118)	0.358*** (0.135)	0.361*** (0.116)	0.424*** (0.136)	0.316*** (0.117)	0.369*** (0.134)
Social network	-0.101 (0.129)	-0.114 (0.146)	-0.138 (0.130)	-0.158 (0.145)	-0.093 (0.129)	-0.105 (0.145)	-0.120 (0.129)	-0.137 (0.145)
Training	-0.036 (0.239)	-0.036 (0.272)	-0.018 (0.247)	-0.015 (0.278)	0.045 (0.239)	0.059 (0.274)	-0.064 (0.251)	-0.068 (0.285)
E-learning	0.228** (0.090)	0.255** (0.102)	0.261*** (0.090)	0.289*** (0.102)	0.204** (0.091)	0.227** (0.104)	0.242*** (0.090)	0.270*** (0.102)
Intergenerational transmission	0.151	0.163	0.127	0.133	0.116	0.123	0.149	0.161

	(0.185)	(0.206)	(0.188)	(0.207)	(0.191)	(0.213)	(0.185)	(0.205)
Agricultural surface pollution	0.103**	0.121**	0.086**	0.101**	0.097**	0.115**	0.092**	0.107**
	(0.043)	(0.049)	(0.043)	(0.049)	(0.042)	(0.048)	(0.042)	(0.048)
Experiencing shock	-0.121	-0.140	-0.144	-0.165	-0.105	-0.122	-0.159*	-0.183*
	(0.093)	(0.105)	(0.094)	(0.106)	(0.092)	(0.105)	(0.093)	(0.105)
Agricultural insurance	0.048	0.054	0.062	0.068	0.040	0.043	0.045	0.049
	(0.159)	(0.180)	(0.162)	(0.181)	(0.161)	(0.182)	(0.162)	(0.182)
Government subsidies	-0.198	-0.263	-0.200	-0.263	-0.215	-0.284	-0.204	-0.266
	(0.291)	(0.339)	(0.297)	(0.340)	(0.293)	(0.341)	(0.299)	(0.345)
Demonstration area	-0.035	-0.051	-0.042	-0.058	-0.061	-0.082	0.018	0.014
	(0.261)	(0.295)	(0.265)	(0.297)	(0.258)	(0.292)	(0.265)	(0.300)
Major food-producing counties	0.476***	0.544***	0.449***	0.509***	0.479***	0.550***	0.449***	0.512***
	(0.090)	(0.100)	(0.090)	(0.099)	(0.091)	(0.102)	(0.090)	(0.100)
_cons	1.930***		2.065***		2.071***		2.076***	
	(0.673)		(0.675)		(0.675)		(0.668)	
R2	0.1401		0.1239		0.1468		0.1340	
Pseudo R2		0.0537		0.0472		0.0566		0.0511
N	531	531	531	531	531	531	531	531