Agrarian change through sustainable agri-tech adoption in a challenging rice farming region: A panel data analysis

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Electronic supplementary material

Supplementary Table S1

Table S1. Results of diagnostic testing.

Variables and types of test	Fixed effect model	Random effect model
Production cost (PC)		
Pesaran's test of cross-sectional independence	432.702, Pr = 0.0000	440.810, Pr = 0.0000
Frees' test of cross-sectional independence	135.116	138.780
Wooldridge test for autocorrelation	$F(1\,404) = 884.325$, Prob $> F = 0.0000$	
Modified Wald test for heteroskedasticity	$\chi^2(1) = 0.63$, Prob $> \chi^2 = 0.4267$	
Return on investment (ROI)		
Pesaran's test of cross-sectional independence	137.353, Pr = 0.0000	130.175, Pr = 0.0000
Frees' test of cross-sectional independence	26.972	29.306
Wooldridge test for autocorrelation	$F(1, 404) = 15.596$, Prob $> F = 0.0001$	
Modified Wald test for heteroskedasticity	$\chi^2(1) = 598.10$, Prob $> \chi^2 = 0.0000$	

Source: Authors' own elaboration