

Title: “AJAE appendix for Agricultural Productivity in Space.
An econometric assessment based on farm-level data”

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Note: The material contained herein is supplementary to the article named in the title and published in the American Journal of Agricultural Economics.

Table S1. Comparison of TFP Distributions at NUTS3 Level Constructed Using the Full Unbalanced and using Only the Balanced Sample. The Comparison is Made Between Quantiles (25%, 50%, and 75%), Means and Standard Deviations with a T-test for the Difference in Means.

Farm sample	25%	50%	Mean	75%	St.Dev.
Full unbalanced sample	0.978	1.556	2.101	2.404	2.497
Balanced sample	0.668	1.243	2.210	2.220	4.436
t-test diff. in means			-0.606		

Table S2. Moran's I Tests and P-value of Explanatory Variables at Macro Level Using the Selected Spatial Weight Matrix (100 Km Radius).

VAR	Macro panel	
	Moran's I	P-value
Dairy SO share _t	0.212	0.000
Field crops SO share _t	0.192	0.000
Fruits and nuts SO share _t	0.523	0.000
Livestock SO share _t	0.037	0.381
Others SO share _t	0.089	0.060
Rice SO share _t	0.108	0.008
Vegetables SO share _t	0.021	0.561
Wine SO share _t	0.082	0.085
Economic size _t	0.037	0.374
Extreme rainfall _t	0.403	0.000

Table S3. Full Estimates Table on NUTS3 Level Data (Macro Panel)

Variable:	Estimator:	BCML	GMM-SYS	MML	Bayesian
(log TFP) _{t-1}		0.102** (0.046)	0.163*** (0.060)	0.089** (0.044)	0.102** (0.046)
W (log TFP)_t		0.442*** (0.047)	0.308 (0.460)	0.442*** (0.047)	0.442*** (0.074)
Extreme rainfall _t		-0.028 (0.107)	0.008 (0.123)	-0.037 (0.162)	-0.080 (0.121)
Extreme rainfall _{t-1}		-0.028 (0.106)	-0.008 (0.126)	-0.066 (0.132)	-0.047 (0.133)
Economic size _t		-0.159 (0.323)	-0.073 (0.107)	-0.058 (0.069)	0.064 (0.381)
Economic size _{t-1}		0.082 (0.074)	0.075 (0.098)	0.032 (0.054)	0.041 (0.089)
Dairy SO share _t		0.114 (1.135)	1.052 (0.717)	0.601 (1.158)	0.779 (1.379)
Dairy SO share _{t-1}		-0.723 (.898)	-0.591 (0.759)	-1.166 (1.328)	-0.985 (1.090)
Field crops SO share _t		-2.135 (1.986)	-1.432 (0.948)	-1.484 (1.282)	-0.159 (2.311)
Field crops SO share _{t-1}		0.429 (0.950)	1.554 (0.885)	0.187 (1.462)	-0.179 (0.986)
Fruits and nuts SO share _t		-0.997 (2.020)	0.982 (1.192)	-0.549 (1.426)	0.606 (2.357)
Fruits and nuts SO share _{t-1}		-0.325 (1.104)	-0.497 (1.149)	-0.714 (1.708)	-0.887 (1.089)
Livestock SO share _t		-2.901** (1.557)	-1.060 (0.942)	-2.899*** (1.091)	-1.330 (1.823)
Livestock SO share _{t-1}		0.897 (0.765)	0.481 (0.984)	1.081 (1.136)	0.904 (0.846)
Others SO share _t		-2.849** (1.555)	-1.695** (0.717)	-2.513** (1.251)	-1.380 (1.888)
Others SO share _{t-1}		0.034 (1.027)	1.248 (0.764)	-0.382 (1.416)	-0.722 (1.172)
Rice SO share _t		0.312 (1.900)	0.577 (1.291)	0.513 (2.905)	0.212 (2.539)
Rice SO share _{t-1}		1.196 (1.844)	0.477 (1.296)	1.375 (2.791)	1.377 (2.254)
Vegetables SO share _t		-1.935 (1.306)	-1.015 (0.634)	-1.735* (0.887)	-0.536 (1.528)
Vegetables SO share _{t-1}		0.932 (0.650)	1.655*** (0.612)	0.904 (0.942)	0.404 (0.767)
Wine SO share _t		-2.080 (1.569)	-1.270* (0.763)	-1.810 (1.117)	-0.499 (1.836)
Wine SO share _{t-1}		1.590*** (0.767)	1.834** (0.770)	1.464 (1.159)	1.176 (0.821)
Dummy2010		-	-	-	0.342 (15.189)
Dummy 2011		-0.166 (0.179)	-	-	0.048 (12.410)
Dummy 2012		-0.108 (0.300)	0.058 (0.154)	-	-0.098 (12.412)
Dummy 2013		-0.094 (0.395)	0.075 (0.127)	-	-0.149 (12.415)
Dummy2014		-0.048 (0.499)	0.026 (0.132)	-	-0.172 (12.419)
Dummy2015		-0.276 (0.206)	-0.055 (0.161)	-	-0.048 (12.410)

*, **, ***: Statistically significant at the 10%, 5%, 1% level, respectively.