

Table 1: *Mixed effects model: Log of maize yield and weather, ARMA(0,0) errors*

Fixed effects:	<i>Model 1</i>		<i>Model 2</i>		<i>Model 3</i>	
	Estimate	Sum sq.	Estimate	Sum sq.	Estimate	Sum sq.
Intercept	0.298 (0.066)***	—	0.256 (0.061)***	—	0.243 (0.076)**	—
Prec. total	0.289 (0.045)***	11.9	0.131 (0.046)**	1.3	0.137 (0.125)	0.3
Prec. total sq.	−0.071 (0.028)*	1.8	−0.075 (0.026)**	1.5	−0.073 (0.039) [•]	1.0
Temp. - average	−0.202 (0.062)**	3.1	−0.188 (0.058)**	2.9	−0.464 (0.144)**	2.9
Prec. × temp.	—	—	−0.135 (0.037)***	2.5	−0.108 (0.051)*	1.3
Prec. c. of variation	—	—	−0.198 (0.035)***	7.6	−0.181 (0.075)*	1.7
Temp. std. dev.	—	—	0.064 (0.021)**	1.3	0.058 (0.027)*	1.3
Prec. first 2 months	—	—	—	—	−0.003 (0.040)	0.001
Dry spell -length	—	—	—	—	−0.050 (0.031)	0.7
Dry spells > 9 days	—	—	—	—	0.018 (0.032)	0.09
Max precipitation	—	—	—	—	−0.008 (0.064)	0.005
Degree days	—	—	—	—	−0.016 (0.092)	0.009
Heat wave d. (> 35°C)	—	—	—	—	0.032 (0.039)	0.2
Max temperature	—	—	—	—	0.278 (0.136)*	1.2
Random effects:						
Intercept						
AIC:	2114.98		2144.88		2118.15	

Notes: Standard errors in brackets, 1256 observations

[•] $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Table 2: *Mixed effects model: Log of maize yield and weather, ARMA(2,1) errors*

Fixed effects:	<i>Model 1</i>		<i>Model 2</i>		<i>Model 3</i>	
	Estimate	F-value	Estimate	F-value	Estimate	F-value
Intercept	0.299 (0.064)***	13.9	0.240 (0.064)***	14.0	0.270 (0.074)***	13.8
Prec. total	0.273 (0.042)***	63.6	0.159 (0.051)**	64.7	0.219 (0.117)•	65.2
Prec. total sq.	−0.066 (0.026)*	9.9	−0.079 (0.028)**	10.1	−0.094 (0.037)*	10.2
Temp. - average	−0.177 (0.061)**	8.4	−0.191 (0.062)**	11.8	−0.380 (0.133)**	8.7
Prec. × temp.	—	—	−0.135 (0.037)**	4.6	−0.101 (0.049)*	7.5
Prec. c. of var.	—	—	−0.139 (0.040)***	11	−0.091 (0.070)	11.1
Temp. std. dev.	—	—	0.038 (0.024)	2.4	0.038 (0.026)	2.4
Prec. 2 months	—	—	—	—	−0.009 (0.037)	0.3
Dry spell -length	—	—	—	—	−0.045 (0.030)	2.2
Dry spells > 9 days	—	—	—	—	0.008 (0.031)	0.1
Max precipitation	—	—	—	—	−0.035 (0.060)	0.2
Degree days	—	—	—	—	−0.015 (0.088)	0.6
Heat wave d.	—	—	—	—	0.040 (0.037)	3.1
Max temperature	—	—	—	—	0.207 (0.123)•	2.8
Random effects:						
Intercept						
AIC:	2064.54		2064.99		2099.90	

Notes: Standard errors in brackets, 1256 observations

• $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$