

Table 1: Cross-section Regression Models explaining Crop Revenue per Acre

	Log(Corn Rev) Cross-section	Log(Cotton Rev) Cross-section	Log(Hay Rev) Cross-section	Log(Wheat Rev) Cross-section	Log(Soybean Rev) Cross-section
	(1)	(2)	(3)	(4)	(5)
Average Temperature	-3.49 (2.43)	-0.79 (5.12)	-0.57 (2.56)	-3.31 (5.78)	-2.82 (2.57)
Average Temperature Squared	-0.37 (0.46)	1.53*** (0.43)	-0.89** (0.42)	0.56 (0.97)	-0.82** (0.39)
Precipitation	0.48 (0.94)	-1.34 (1.29)	-1.73 (1.33)	-11.64** (4.63)	0.53 (0.67)
Precipitation Squared	-0.17 (0.12)	-0.20* (0.11)	-0.31* (0.17)	-1.06** (0.47)	-0.03 (0.06)
Weights	Acres	Acres	Acres	Acres	Acres
Fixed-effect	State	State	State	State	State
Cluster SE	State	State	State	State	State
Observations	2,346	823	1,897	395	2,127
R ²	0.79	0.67	0.74	0.66	0.76
Adjusted R ²	0.78	0.66	0.74	0.65	0.76

Notes:

All coefficients multiplied by 100

Table 2: Cross-section Regression Models explaining Crop Revenue per Acre

	Log(Corn Rev) Cross-section	Log(Cotton Rev) Cross-section	Log(Hay Rev) Cross-section	Log(Wheat Rev) Cross-section	Log(Soybean Rev) Cross-section
	(1)	(2)	(3)	(4)	(5)
Degree Days (0-10C)	-0.11 (0.11)	-0.35 (0.24)	0.09 (0.09)	-0.91* (0.52)	-0.07 (0.10)
Degree Days (10-30C)	0.05 (0.04)	0.14*** (0.03)	0.01 (0.03)	0.30 (0.21)	0.05** (0.03)
Degree Days (30C)	-0.42* (0.23)	-0.35*** (0.12)	-0.20 (0.22)	-0.32 (0.69)	-0.52*** (0.15)
Precipitation	-0.23 (0.94)	-2.55** (1.18)	-2.42* (1.43)	-12.00*** (3.44)	-0.48 (0.90)
Precipitation Squared	-0.19 (0.13)	-0.14 (0.12)	-0.36** (0.16)	-1.13*** (0.31)	-0.12 (0.09)
Weights	Acres	Acres	Acres	Acres	Acres
Fixed-effect	State	State	State	State	State
Cluster SE	State	State	State	State	State
Observations	2,346	823	1,897	395	2,127
R ²	0.79	0.68	0.73	0.69	0.76
Adjusted R ²	0.79	0.67	0.72	0.69	0.76

Notes:

All coefficients multiplied by 100

Table 3: Cross-section Regression Models explaining Proportion of Acres by Crop

	Corn Acres Cross-section	Cotton Acres Cross-section	Hay Acres Cross-section	Wheat Acres Cross-section	Soybean Acres Cross-section
	(1)	(2)	(3)	(4)	(5)
Average Temperature	-4.16*** (0.00)	-10.23*** (0.00)	-0.69*** (0.00)	18.48*** (0.00)	-0.10*** (0.00)
Average Temperature Squared	-0.50*** (0.00)	1.08*** (0.00)	1.41*** (0.00)	2.49*** (0.00)	0.04*** (0.00)
Precipitation	0.39*** (0.00)	0.10*** (0.00)	4.28*** (0.00)	-1.25*** (0.00)	1.02*** (0.00)
Precipitation Squared	-0.13*** (0.00)	-0.40*** (0.00)	0.06*** (0.00)	0.42*** (0.00)	-0.14*** (0.00)
Constant	7.39*** (0.00)	-11.77*** (0.00)	-39.00*** (0.00)	-9.03*** (0.00)	9.94*** (0.00)
Weights	Total Acres	Total Acres	Total Acres	Total Acres	Total Acres
Fixed-effect	None	None	None	None	None
Cluster SE	State	State	State	State	State
Observations	2,346	823	1,897	395	2,127

Notes:

All coefficients multiplied by 100

Table 4: Cross-section Regression Models explaining Proportion of Acres by Crop

	Corn Acres Cross-section	Cotton Acres Cross-section	Hay Acres Cross-section	Wheat Acres Cross-section	Soybean Acres Cross-section
	(1)	(2)	(3)	(4)	(5)
Degree Days (0-10C)	-0.21*** (0.00)	1.71*** (0.00)	0.26*** (0.00)	-1.15*** (0.00)	-0.16*** (0.00)
Degree Days (10-30C)	0.08*** (0.00)	-0.46*** (0.00)	-0.19*** (0.00)	0.45*** (0.00)	0.10*** (0.00)
Degree Days (30C)	-0.49*** (0.00)	1.45*** (0.00)	0.93*** (0.00)	-0.60*** (0.00)	-0.60*** (0.00)
Precipitation	-1.44*** (0.00)	5.09*** (0.00)	7.39*** (0.00)	7.87*** (0.00)	-1.19*** (0.00)
Precipitation Squared	-0.32*** (0.00)	-0.51*** (0.00)	0.38*** (0.00)	0.88*** (0.00)	-0.21*** (0.00)
Constant	6.58*** (0.00)	-90.75*** (0.01)	-39.84*** (0.00)	15.86*** (0.00)	10.81*** (0.00)
Weights	Total Acres	Total Acres	Total Acres	Total Acres	Total Acres
Fixed-effect	None	None	None	None	None
Cluster SE	State	State	State	State	State
Observations	2,346	823	1,897	395	2,127

Notes:

All coefficients multiplied by 100