

Supplementary Materials

Appendix: Supplementary figure and results tables

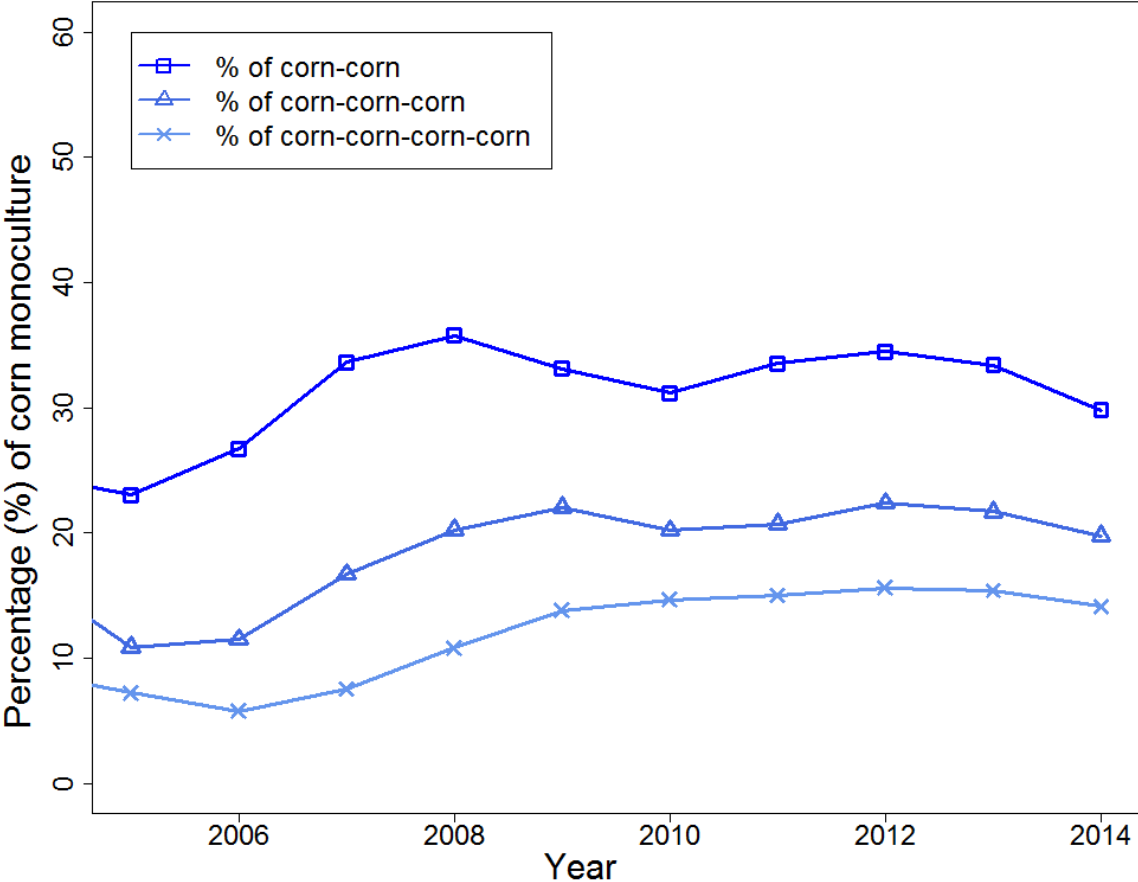


Figure A1: Share of corn monocropping between 2005 and 2014 in the study region

Table A1. Crop code conversion

Cropland Type	Original CDL Code	New Code
Corn	1	Corn (1)
Soybeans	5	Soybeans (2)
Fallow/Idle Cropland, Grassland/Pasture	61;176	Idle (3)

Table A2. Cross-sectional model estimates with an alternative dependent variable

Proportion of corn-corn-corn monocropping	Model		
	(1)	(2)	(3)
Return for corn (\$/acre)	0.0149***	0.0116***	0.0040
(s.e.)	(0.0022)	(0.0022)	(0.0031)
Return for soybeans (\$/acre)	-0.0049	-0.0051*	0.0003
(s.e.)	(0.0031)	(0.0031)	(0.0039)
Weighted ethanol capacity (B Gal/year)	-0.0101	0.5802***	0.1600
(s.e.)	(0.0493)	(0.1670)	(0.2543)
Dummy variable	N/A	State	Ag District
Number of observations	293	293	293
Pseudo R ²	0.3073	0.3935	0.6732
Log-likelihood	-95.24	-94.18	-90.49

Note: (1) Throughout the appendix, asterisks (*, **, ***) indicate statistical significance at 10%, 5%, and 1% level, respectively, unless otherwise noted. (2) The level of significance is indicated based on Huber-White robust standard error.

Table A3. Panel data model estimates of with an alternative dependent variable

Proportion of corn-corn-corn monocropping	Model			
	(1)	(2)	(3)	(4)
Return for corn (\$/acre)	0.0020***	0.0003***	0.0018***	0.0003***
(s.e.)	(0.0002)	(0.0001)	(0.0003)	(0.0001)
Return for soybeans (\$/acre)	-0.0000	-0.0009***	0.0014**	-0.0008***
(s.e.)	(0.0003)	(0.0002)	(0.0006)	(0.0002)
Weighted ethanol capacity (B Gal/year)	0.1681***	-0.0790**		
(s.e.)	(0.0123)	(0.0323)		
New ethanol plant indicator			0.0969	0.0303
(s.e.)			(0.1566)	(0.0215)
Fixed effects	N/A	Year, County	N/A	Year, County
Number of observations	2344	2344	2344	2344
Pseudo R ²	0.1343	0.9300	0.0903	0.9297
Log-likelihood	-784.19	-690.75	-790.19	-690.78

Note: the standard error estimates are based on Huber-White robust standard error.