

Table S1. Characteristics of production systems evaluated for 2017 [15].

Crop	#id	Region	Tillage	Yield t ha ⁻¹	Irrigation System		Cash Cost USD t ⁻¹	Oper. Cost USD ha ⁻¹
					Type	mm ha ⁻¹		
Corn	17#15	n/a	Conventional	5.3			122.0	681.5
Corn	17#16	East	Conventional	8.5			98.8	786.4
Corn	17#17	n/a	No-till	7.2			96.9	685.1
Corn	17#18	East	No-till	10.0			85.4	777.1
Corn	17#19	n/a	No-till	7.5			91.7	679.6
Corn	17#20	East	No-till	10.4			87.8	828.7
Corn	17#21	n/a	No-till	7.8			85.0	657.5
Corn	17#22	East	No-till	10.7			80.3	782.1
Corn	17#23	n/a	Ecofallow	7.2			92.5	699.2
Corn	17#24	n/a	Ridge	13.5	Gravity	185	90.6	1203.1
Corn	17#25	n/a	Ridge	14.1	Gravity	185	95.7	1339.1
Corn	17#26	Panhandle		11.3	Canal	154	100.8	1259.6
Corn	17#27	n/a	No-till	14.1	Pivot D	92	93.7	1258.7
Corn	17#28	n/a	No-till	14.7	Pivot D	92	97.2	1362.0
Corn	17#29	n/a	-	13.5	Pivot D	134	100.4	1339.5
Corn	17#30	Panhandle	-	11.3	Pivot E	134	116.1	1463.8
Corn	17#31	n/a	Continuous	14.1	Pivot D	134	105.1	1469.3

#id = original scenario identification [15], n/a = non-available; D = diesel; E = electricity; Oper. Cost = Total Operating and Use Related Ownership Costs.

Table S2. Cost of some agricultural inputs [15].

Input	Unit	2017
Diesel oil	USD L ⁻¹	0.59
Electricity	USD kWh ⁻¹	0.11
28-0-0	USD L ⁻¹	0.34
10-34-0-1Z	USD L ⁻¹	0.65
82-0-0	USD kg ⁻¹	0.62
2,4-D Amine	USD L ⁻¹	3.70
2,4-D Ester 4	USD L ⁻¹	4.76
Glyphosate +Surf	USD L ⁻¹	3.30
Brigade® 2EC	USD L ⁻¹	38.31
Lorsban® 15 G	USD kg ⁻¹	5.84
Mustang® Max EC	USD L ⁻¹	50.20
Regent® 4 SC	USD L ⁻¹	335.59
Corn seeds Conventional	USD bag ⁻¹	200.00
Corn seeds Bt, ECB	USD bag ⁻¹	230.00
Corn seed Bt, ECB and RW	USD bag ⁻¹	230.00