

2015

Transect Survey

Small Grains Tillage

FIPS COUNTY #	County	Total Transects	Avg. Soil Loss (ton/ac)	Avg. Soil Loss if all fields Conventionally Tilled (ton/ac)	No Till			Mulch Till			Reduced Till			Conventional Tillage		
					No.	%	Avg. Soil Loss (ton/ac)	No.	%	Avg. Soil Loss (ton/ac)	No.	%	Avg. Soil Loss (ton/ac)	No.	%	Avg. Soil Loss (ton/ac)
1	Adams	23	1.1	2.9	0	0.0%	0	23	100.0%	1.1	0	0.0%	0	0	0.0%	0
3	Alexander	20	2.1	2.1	0	0.0%	0	0	0.0%	0	1	5.0%	1	19	95.0%	2.1
5	Bond	24	0.5	2.8	23	95.8%	0.5	1	4.2%	0.2	0	0.0%	0	0	0.0%	0
7	Boone	11	0.9	0.9	2	18.2%	0.1	0	0.0%	0	0	0.0%	0	9	81.8%	1
9	Brown	7	1.1	3.4	4	57.0%	0.8	2	29.0%	1.6	1	14.0%	1.3	0	0.0%	0
11	Bureau	7	0.1	0.8	0	0.0%	0	0	0.0%	0	0	0.0%	0	7	100.0%	0.8
13	Calhoun	3	0.6	4.9	3	100.0%	0.6	0	0.0%	0	0	0.0%	0	0	0.0%	0
15	Carroll	2	1.3	2	0	0.0%	0	0	0.0%	0	2	100.0%	1.3	0	0.0%	0
17	Cass	9	0.3	2.1	7	78.0%	0.3	2	22.0%	0.5	0	0.0%	0	0	0.0%	0
19	Champaign	3	0.1	0.9	3	100.0%	0.1	0	0.0%	0	0	0.0%	0	0	0.0%	0
21	Christian	5	1.2	2.7	4	80.0%	0.2	0	0.0%	0	1	20.0%	5.1	0	0.0%	0
23	Clark	13	0.3	0.9	7	54.0%	0.2	6	46.0%	0.5	0	0.0%	0	0	0.0%	0
25	Clay	23	0.6	3.3	20	87.0%	0.6	3	13.0%	0.5	0	0.0%	0	0	0.0%	0
27	Clinton	109	0.3	1.5	108	99.1%	0.3	0	0.0%	0	0	0.0%	0	1	0.9%	1
29	Coles	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
31	Cook	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	Crawford	11	0.4	2.9	9	81.8%	0.5	0	0.0%	0	0	0.0%	0	2	18.2%	1.9
35	Cumberland	4	0.3	0.6	0	0.0%	0	1	25.0%	0.4	3	75.0%	0.3	0	0.0%	0
37	DeKalb	10	0.8	1.3	1	10.0%	0.2	0	0.0%	0	9	90.0%	1.9	0	0.0%	0
39	DeWitt	3	0.04	0.8	3	100.0%	0.4	0	0.0%	0	0	0.0%	0	0	0.0%	0
41	Douglas	5	0.1	0.8	0	0.0%	0	5	100.0%	0.1	0	0.0%	0	0	0.0%	0
45	Edgar	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
47	Edwards	13	9.1	9.1	0	0.0%	0	0	0.0%	0	0	0.0%	0	13	100.0%	9.1
49	Effingham	11	0.2	1	8	72.7%	0.2	3	27.3%	0.3	0	0.0%	0	0	0.0%	0
51	Fayette	26	0.7	1.7	14	53.8%	0.8	12	46.2%	0.6	0	0.0%	0	0	0.0%	0
53	Ford	3	0.4	0.7	0	0.0%	0	1	33.3%	0.4	2	66.7%	0.4	0	0.0%	0
55	Franklin	59	0.4	4	0	0.0%	0	59	100.0%	0.4	0	0.0%	0	0	0.0%	0
57	Fulton	6	0.1	1.6	6	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
59	Gallatin	8	0.8	6.8	8	100.0%	0.8	0	0.0%	0	0	0.0%	0	0	0.0%	0
61	Greene	5	3.2	4.4	3	60.0%	0.4	0	0.0%	0	0	0.0%	0	2	40.0%	7.2
63	Grundy	1	0.3	0.5	0	0.0%	0	0	0.0%	0	1	100.0%	0.3	0	0.0%	0
65	Hamilton	28	1	3.1	8	28.6%	0.6	12	42.9%	1.1	8	28.6%	1.2	0	0.0%	0
67	Hancock	3	1.2	5.4	1	33.3%	0.6	2	66.7%	1.5	0	0.0%	0	0	0.0%	0
69	Hardin	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
71	Henderson	1	0.6	0.6	0	0.0%	0	0	0.0%	0	0	0.0%	0	1	100.0%	0.6

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73	Henry	8	3.6	3.6	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	100.0%	3.6
75	Iroquois	4	0.2	1.9	4	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
77	Jackson	52	1.1	5.8	49	94.2%	0.8	3	5.8%	4.8	0	0.0%	0	0	0.0%	0
79	Jasper	9	0.9	2.7	5	55.6%	0.9	4	44.4%	1	0	0.0%	0	0	0.0%	0
81	Jefferson	40	2.9	6.8	4	10.0%	0.9	24	60.0%	2.2	6	15.0%	4.6	6	15.0%	5.8
83	Jersey	7	1.1	4.2	7	100.0%	1.1	0	0.0%	0	0	0.0%	0	0	0.0%	0
85	JoDaviess	8	0.6	2.7	8	100.0%	0.6	0	0.0%	0	0	0.0%	0	0	0.0%	0
87	Johnson	14	0.4	4.1	13	92.9%	0.4	1	7.1%	0.3	0	0.0%	0	0	0.0%	0
89	Kane	6	1.4	2.2	0	0.0%	0	0	0.0%	0	6	100.0%	1.4	0	0.0%	0
91	Kankakee	7	0.2	0.8	7	100.0%	0.2	0	0.0%	0	0	0.0%	0	0	0.0%	0
93	Kendall	3	0.5	0.5	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	100.0%	0.5
95	Knox	2	0.9	4.5	2	100.0%	0.9	0	0.0%	0	0	0.0%	0	0	0.0%	0
97	Lake	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
99	LaSalle	3	0.1	0.7	3	100.0%	0.1	0	0.0%	0	0	0.0%	0	0	0.0%	0
101	Lawrence	30	0.3	1.5	14	46.7%	0.1	15	50.0%	0.3	0	0.0%	0	1	3.3%	2.1
103	Lee	3	0.7	0.7	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	100.0%	0.7
105	Livingston	3	0.5	1	1	33.3%	0.7	0	0.0%	0	2	66.7%	0.4	0	0.0%	0
107	Logan	1	3.7	3.7	0	0.0%	0	0	0.0%	0	0	0.0%	0	1	100.0%	3.7
109	McDonough	6	2	3.1	2	33.3%	0.3	0	0.0%	0	0	0.0%	0	4	66.7%	2.9
111	McHenry	17	3.2	3.2	0	0.0%	0	0	0.0%	0	0	0.0%	0	17	100.0%	3.2
113	McLean	2	2.9	6.5	0	0.0%	0	2	100.0%	2.9	0	0.0%	0	0	0.0%	0
115	Macon	1	0.3	0.3	0	0.0%	0	0	0.0%	0	0	0.0%	0	1	100.0%	0.3
117	Macoupin	5	0.8	1	0	0.0%	0	0	0.0%	0	2	40.0%	0.5	3	60.0%	1
119	Madison	19	0.3	2.6	0	0.0%	0	0	0.0%	0	2	10.5%	2.5	17	89.5%	2.3
121	Marion	17	2.4	2.5	1	5.9%	0	0	0.0%	0	0	0.0%	0	16	94.1%	2.6
123	Marshall	7	1.6	1.8	1	14.3%	0.3	0	0.0%	0	0	0.0%	0	6	85.7%	1.8
125	Mason	23	0.5	1	2	8.7%	0.01	3	13.0%	0.1	18	78.3%	0.6	0	0.0%	0
127	Massac	22	0.4	5.5	22	100.0%	0.4	0	0.0%	0	0	0.0%	0	0	0.0%	0
129	Menard	2	0.5	1.6	2	100.0%	0.5	0	0.0%	0	0	0.0%	0	0	0.0%	0
131	Mercer	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
133	Monroe	78	6.7	12.6	0	0.0%	0	0	0.0%	0	0	0.0%	0	78	100.0%	8.5
135	Montgomery	7	0.2	2.1	7	100.0%	0.2	0	0.0%	0	0	0.0%	0	0	0.0%	0
137	Morgan	3	0	5.5	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	100.0%	5.5
139	Moultrie	7	2.5	2.5	0	0.0%	0	0	0.0%	0	0	0.0%	0	7	100.0%	2
141	Ogle	18	0.7	1.5	2	11.1%	0.3	13	72.2%	0.6	3	16.7%	1.2	0	0.0%	0

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143	Peoria	10	0.1	1.4	10	100.0%	0.1	0	0.0%	0	0	0.0%	0	0	0.0%	0
145	Perry	87	8.2	8.2	0	0.0%	0	0	0.0%	0	0	0.0%	0	87	100.0%	8.2
147	Piatt	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
149	Pike	9	1.9	4.4	7	77.8%	1.1	0	0.0%	0	2	22.2%	4.7	0	0.0%	0
151	Pope	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
153	Pulaski	12	6.1	6.1	0	0.0%	0	0	0.0%	0	0	0.0%	0	12	100.0%	6.1
155	Putnam	6	1.4	1.5	0	0.0%	0	1	16.7%	0.5	0	0.0%	0	5	83.3%	1.6
157	Randolph	188	2.8	6.5	73	38.8%	2.3	60	31.9%	2.9	52	27.7%	3.4	3	1.6%	4.6
159	Richland	14	1.8	3.1	0	0.0%	0	0	0.0%	0	14	100.0%	1.8	0	0.0%	0
161	Rock Island	3	1.7	1.8	0	0.0%	0	0	0.0%	0	1	33.3%	0.6	2	66.7%	2.2
163	St Clair	26	0.5	1.5	5	19.2%	0.3	21	80.8%	0.6	0	0.0%	0	0	0.0%	0
165	Saline	5	1.1	4.7	3	60.0%	0.9	1	20.0%	0.8	0	0.0%	0	1	20.0%	2.1
167	Sangamon	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
169	Schuyler	8	0.6	4.5	7	87.5%	0.4	0	0.0%	0	0	0.0%	0	1	12.5%	1.8
171	Scott	4	0.7	1.6	0	0.0%	0	4	100.0%	0.7	0	0.0%	0	0	0.0%	0
173	Shelby	13	2	2	0	0.0%	0	0	0.0%	0	0	0.0%	0	13	100.0%	2
175	Stark	2	0.2	0.9	1	50.0%	0.2	1	50.0%	0.3	0	0.0%	0	0	0.0%	0
177	Stephenson	15	2.6	2.6	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	100.0%	2.6
179	Tazewell	7	1.5	1.6	0	0.0%	0	1	14.3%	0.1	0	0.0%	0	6	85.7%	1.8
181	Union	23	8.6	13.5	12	52.2%	6.5	0	0.0%	0	0	0.0%	0	11	47.8%	10.8
183	Vermilion	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
185	Wabash	29	4.5	4.5	0	0.0%	0	0	0.0%	0	0	0.0%	0	29	100.0%	4.5
187	Warren	1	0.3	0.3	0	0.0%	0	0	0.0%	0	0	0.0%	0	1	100.0%	0.3
189	Washington	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
191	Wayne	15	0.8	4.3	14	93.3%	0.5	1	6.7%	3.6	0	0.0%	0	0	0.0%	0
193	White	24	0.9	6.3	3	12.5%	0.4	21	87.5%	1	0	0.0%	0	0	0.0%	0
195	Whiteside	4	2.2	2.2	0	0.0%	0	0	0.0%	0	0	0.0%	0	4	100.0%	2.2
197	Will	10	1	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	100.0%	1
199	Williamson	13	3.1	3.4	1	7.7%	0.4	0	0.0%	0	0	0.0%	0	12	92.3%	3.4
201	Winnebago	18	0.6	1.4	0	0.0%	0	16	88.9%	0.5	2	11.1%	1.7	0	0.0%	0
203	Woodford	8	0.3	3	8	100.0%	0.3	0	0.0%	0	0	0.0%	0	0	0.0%	0
	Total	1444	1.3	2.72	542	34.5%	0.30	324	15.2%	0.32	138	10.3%	0.36	440	30.9%	1.25