

2018

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	17	1.56	3.57	17	100.0%	1.56	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
3	Alexander	15	1.82	1.82	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	15	100.0%	1.82
5	Bond	41	0.23	2.12	41	100.0%	0.23	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
7	Boone	8	0.00	1.09	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
9	Brown	12	2.59	4.16	6	50.0%	2.18	0	0.0%	NA	5	41.7%	0.94	1	8.3%	13.31
11	Bureau	4	0.00	0.95	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
13	Calhoun	8	0.90	4.49	7	87.5%	0.94	0	0.0%	NA	0	0.0%	NA	1	12.5%	0.64
15	Carroll	12	1.03	2.59	0	0.0%	NA	11	91.7%	1.11	1	8.3%	0.19	0	0.0%	NA
17	Cass	8	1.21	2.75	0	0.0%	NA	8	100.0%	1.21	0	0.0%	NA	0	0.0%	NA
19	Champaign	4	0.02	1.19	1	25.0%	0.08	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
21	Christian	8	0.00	1.27	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
23	Clark	12	0.47	1.35	6	50.0%	0.22	5	41.7%	0.86	0	0.0%	NA	0	0.0%	NA
25	Clay	56	0.71	2.91	32	57.1%	0.39	23	41.1%	1.10	0	0.0%	NA	1	1.8%	2.27
27	Clinton	98	0.84	1.57	46	46.9%	0.38	0	0.0%	NA	1	1.0%	0.74	46	46.9%	1.34
29	Coles	1	0.00	0.60	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
31	Cook															
33	Crawford	18	0.02	4.54	2	11.1%	0.19	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
35	Cumberland	7	0.78	1.25	1	14.3%	0.20	0	0.0%	NA	4	57.1%	0.88	2	28.6%	0.87
37	DeKalb	3	0.52	0.95	1	33.3%	0.11	0	0.0%	NA	2	66.7%	0.72	0	0.0%	NA
39	DeWitt	3	0.00	1.20	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
41	Douglas	7	0.38	0.93	0	0.0%	NA	7	100.0%	0.38	0	0.0%	NA	0	0.0%	NA
43	DuPage															
45	Edgar	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
47	Edwards	28	0.87	6.80	28	100.0%	0.87	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
49	Effingham	15	0.39	0.77	6	40.0%	0.10	4	26.7%	0.38	0	0.0%	NA	5	33.3%	0.75
51	Fayette	34	0.62	1.78	13	38.2%	0.57	13	38.2%	0.43	6	17.6%	0.80	2	5.9%	1.67
53	Ford	4	0.00	1.49	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
55	Franklin	74	2.88	6.13	15	20.3%	0.98	25	33.8%	2.36	21	28.4%	3.32	13	17.6%	5.35
57	Fulton	5	0.24	2.55	5	100.0%	0.24	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
59	Gallatin	12	0.23	2.58	12	100.0%	0.23	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
61	Greene	7	0.00	3.05	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
63	Grundy	6	0.58	0.92	0	0.0%	NA	0	0.0%	NA	6	100.0%	0.58	0	0.0%	NA
65	Hamilton	28	2.20	4.61	3	10.7%	0.83	16	57.1%	1.73	3	10.7%	4.16	6	21.4%	3.18

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67	Hancock	7	0.00	3.84	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
69	Hardin	0	NA	0.00	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
71	Henderson	7	2.29	3.64	0	0.0%	NA	0	0.0%	NA	7	100.0%	2.29	0	0.0%	NA
73	Henry	6	0.16	1.62	2	33.3%	0.30	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
75	Iroquois	4	0.35	0.78	3	75.0%	0.19	0	0.0%	NA	1	25.0%	0.86	0	0.0%	NA
77	Jackson	53	4.85	5.48	4	7.5%	2.02	1	1.9%	1.90	0	0.0%	NA	48	90.6%	5.15
79	Jasper	20	0.43	1.88	16	80.0%	0.46	2	10.0%	0.38	2	10.0%	0.30	0	0.0%	NA
81	Jefferson	53	2.80	5.68	13	24.5%	1.33	13	24.5%	1.97	10	18.9%	3.70	17	32.1%	4.03
83	Jersey	10	0.43	2.77	9	90.0%	0.42	1	10.0%	0.51	0	0.0%	NA	0	0.0%	NA
85	JoDavie	19	0.00	3.69	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
87	Johnson	6	3.31	9.71	6	100.0%	3.31	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
89	Kane	2	0.27	0.43	0	0.0%	NA	0	0.0%	NA	2	100.0%	0.27	0	0.0%	NA
91	Kankakee	4	0.14	0.23	0	0.0%	NA	0	0.0%	NA	4	100.0%	0.14	0	0.0%	NA
93	Kendall	1	0.52	0.83	0	0.0%	NA	0	0.0%	NA	1	100.0%	0.52	0	0.0%	NA
95	Knox	3	0.31	1.05	2	66.7%	0.15	1	33.3%	0.62	0	0.0%	NA	0	0.0%	NA
97	Lake															
99	LaSalle	3	0.07	0.76	2	66.7%	0.10	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
101	Lawrence	33	0.73	2.32	8	24.2%	0.57	18	54.5%	0.56	4	12.1%	0.57	3	9.1%	2.42
103	Lee	2	0.10	0.79	0	0.0%	NA	1	50.0%	0.20	0	0.0%	NA	0	0.0%	NA
105	Livingston	6	0.00	1.62	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
107	Logan	1	0.07	0.80	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
109	McDonough	3	1.45	3.44	2	66.7%	1.03	0	0.0%	NA	1	33.3%	2.28	0	0.0%	NA
111	McHenry	9	2.96	2.96	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	9	100.0%	2.96
113	McLean	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
115	Macon	4	0.81	1.62	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	1	25.0%	3.23
117	Macoupin	18	0.00	1.32	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
119	Madison	23	0.00	3.56	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
121	Marion	61	0.03	2.11	0	0.0%	NA	0	0.0%	NA	1	1.6%	1.69	0	0.0%	NA
123	Marshall	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
125	Mason	12	0.10	1.02	12	100.0%	0.10	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
127	Massac	7	0.53	5.43	7	100.0%	0.53	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
129	Menard	7	0.41	2.23	5	71.4%	0.35	2	28.6%	0.55	0	0.0%	NA	0	0.0%	NA
131	Mercer	1	0.00	1.31	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA

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133	Monroe	93	0.00	10.89	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
135	Montgomery	14	1.24	2.07	0	0.0%	NA	2	14.3%	0.50	12	85.7%	1.36	0	0.0%	NA
137	Morgan	7	2.37	2.96	0	0.0%	NA	1	14.3%	0.37	0	0.0%	NA	2	28.6%	8.10
139	Moultrie	7	0.00	2.24	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
141	Ogle	9	1.00	1.80	3	33.3%	0.51	1	11.1%	0.81	0	0.0%	NA	4	44.4%	1.56
143	Peoria	10	0.04	1.99	1	10.0%	0.21	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
145	Perry	92	0.00	8.14	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
147	Piatt	4	0.00	1.17	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
149	Pike	4	1.57	3.78	4	100.0%	1.57	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
151	Pope	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
153	Pulaski	15	11.96	11.96	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	15	100.0%	11.96
155	Putnam	0	NA	0.00	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
157	Randolph	110	0.00	6.74	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
159	Richland	25	0.00	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
161	Rock Island	3	0.41	2.43	0	0.0%	NA	0	0.0%	NA	1	33.3%	1.24	0	0.0%	NA
163	St Clair	33	0.63	1.84	1	3.0%	0.38	25	75.8%	0.67	3	9.1%	0.87	1	3.0%	1.17
165	Saline	10	0.47	5.00	10	100.0%	0.47	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
167	Sangamon	4	0.00	3.75	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
169	Schuyler	8	1.04	4.25	4	50.0%	0.51	0	0.0%	NA	0	0.0%	NA	3	37.5%	2.09
171	Scott	2	0.92	4.35	2	100.0%	0.92	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
173	Shelby	15	1.71	1.71	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	15	100.0%	1.71
175	Stark	4	0.25	1.69	0	0.0%	NA	2	50.0%	0.49	0	0.0%	NA	0	0.0%	NA
177	Stephenson	5	0.00	1.47	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
179	Tazewell	11	0.31	0.97	7	63.6%	0.18	2	18.2%	0.34	2	18.2%	0.76	0	0.0%	NA
181	Union	5	1.84	20.04	5	100.0%	1.84	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
183	Vermilion	1	0.00	1.63	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
185	Wabash	25	0.00	4.63	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
187	Warren	4	1.29	4.54	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	4	100.0%	1.29
189	Washington	140	0.00	3.50	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
191	Wayne	28	1.05	3.47	18	64.3%	0.43	8	28.6%	1.45	0	0.0%	NA	2	7.1%	5.07
193	White	24	1.02	6.86	24	100.0%	1.02	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
195	Whiteside	8	0.00	1.59	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
197	Will	4	0.00	0.74	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA

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199	Williamson	11	2.72	3.96	2	18.2%	0.51	1	9.1%	1.86	2	18.2%	3.20	6	54.5%	3.45
201	Winnebago	5	0.58	1.24	2	40.0%	0.56	1	20.0%	0.35	2	40.0%	0.71	0	0.0%	NA
203	Woodford	9	0.00	2.34	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
	Total	1689	0.82	2.98	399	26.3%	0.29	194	10.0%	0.23	104	10.6%	0.33	222	10.3%	0.85