

2017

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	13	1.147	2.921	13	100.0%	1.15	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
3	Alexander	3	1.858	1.858	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	3	100.0%	1.86
5	Bond	41	0.343	2.135	40	97.6%	0.33	1	2.4%	0.92	0	0.0%	NA	0	0.0%	NA
7	Boone	12	0.303	1.216	12	100.0%	0.30	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
9	Brown	6	0.907	5.227	6	100.0%	0.91	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
11	Bureau	2	0.000	1.970	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
13	Calhoun	11	0.651	4.595	11	100.0%	0.65	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
15	Carroll	5	1.041	2.087	0	0.0%	NA	2	40.0%	1.17	3	60.0%	0.95	0	0.0%	NA
17	Cass	5	1.178	4.585	5	100.0%	1.18	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
19	Champaign	5	0.109	0.908	5	100.0%	0.11	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
21	Christian	2	0.151	0.795	2	100.0%	0.15	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
23	Clark	9	0.544	1.356	9	100.0%	0.54	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
25	Clay	21	1.054	3.774	13	61.9%	0.39	8	38.1%	2.13	0	0.0%	NA	0	0.0%	NA
27	Clinton	103	0.511	1.928	83	80.6%	0.36	2	1.9%	0.50	0	0.0%	NA	15	14.6%	1.43
29	Coles	3	0.183	0.420	0	0.0%	NA	1	33.3%	0.25	0	0.0%	NA	1	33.3%	0.30
31	Cook	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33	Crawford	16	0.000	4.213	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
35	Cumberland	4	1.488	2.030	0	0.0%	NA	1	25.0%	0.44	2	50.0%	1.43	1	25.0%	2.65
37	DeKalb	10	0.777	1.301	1	10.0%	0.24	0	0.0%	NA	9	90.0%	0.84	0	0.0%	NA
39	DeWitt	1	0.000	1.724	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
41	Douglas	3	0.275	0.659	0	0.0%	NA	3	100.0%	0.27	0	0.0%	NA	0	0.0%	NA
45	Edgar	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
47	Edwards	24	0.700	6.567	24	100.0%	0.70	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
49	Effingham	23	0.409	1.215	9	39.1%	0.36	10	43.5%	0.41	0	0.0%	NA	4	17.4%	0.49
51	Fayette	19	0.562	1.128	14	73.7%	0.54	3	15.8%	0.52	0	0.0%	NA	2	10.5%	0.76
53	Ford	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
55	Franklin	45	2.294	3.536	3	6.7%	0.42	8	17.8%	0.96	18	40.0%	2.44	16	35.6%	3.15
57	Fulton	3	0.317	3.197	3	100.0%	0.32	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
59	Gallatin	9	0.264	3.432	9	100.0%	0.26	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
61	Greene	7	4.066	4.710	0	0.0%	NA	2	28.6%	1.61	0	0.0%	NA	5	71.4%	5.05
63	Grundy	1	0.288	0.461	0	0.0%	NA	0	0.0%	NA	1	100.0%	0.29	0	0.0%	NA
65	Hamilton	36	1.591	4.654	15	41.7%	1.24	20	55.6%	1.85	1	2.8%	1.66	0	0.0%	NA
67	Hancock	4	0.955	4.347	3	75.0%	1.27	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA

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69	Hardin	0	NA	#DIV/0!	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
71	Henderson	6	0.609	0.897	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	4	66.7%	0.91
73	Henry	4	0.490	2.017	1	25.0%	0.45	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
75	Iroquois	4	0.252	0.578	3	75.0%	0.20	0	0.0%	NA	0	0.0%	NA	1	25.0%	0.41
77	Jackson	38	0.881	6.576	38	100.0%	0.88	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
79	Jasper	11	0.541	1.342	7	63.6%	0.43	4	36.4%	0.73	0	0.0%	NA	0	0.0%	NA
81	Jefferson	43	3.899	4.909	4	9.3%	0.57	8	18.6%	1.34	7	16.3%	1.99	24	55.8%	5.87
83	Jersey	10	0.416	2.438	10	100.0%	0.42	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
85	JoDavie	18	0.718	3.358	17	94.4%	0.74	1	5.6%	0.40	0	0.0%	NA	0	0.0%	NA
87	Johnson	3	1.467	12.500	3	100.0%	1.47	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
89	Kane	5	0.285	0.618	1	20.0%	0.34	0	0.0%	NA	4	80.0%	0.27	0	0.0%	NA
91	Kankakee	7	0.264	0.598	1	14.3%	0.44	2	28.6%	0.08	4	57.1%	0.31	0	0.0%	NA
93	Kendall	3	3.693	3.693	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	3	100.0%	3.69
95	Knox	1	0.826	1.652	1	100.0%	0.83	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
97	Lake	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
99	LaSalle	1	0.446	0.446	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	1	100.0%	0.45
101	Lawrence	23	0.249	1.760	18	78.3%	0.16	5	21.7%	0.57	0	0.0%	NA	0	0.0%	NA
103	Lee	1	0.000	0.476	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
105	Livingston	4	0.856	1.569	0	0.0%	NA	0	0.0%	NA	4	100.0%	0.86	0	0.0%	NA
107	Logan	1	0.000	3.696	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
109	McDonough	1	1.348	1.348	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	1	100.0%	1.35
111	McHenry	15	3.343	3.343	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	15	100.0%	3.34
113	McLean	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
115	Macon	3	0.481	1.654	0	0.0%	NA	3	100.0%	0.48	0	0.0%	NA	0	0.0%	NA
117	Macoupin	21	0.000	1.880	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
119	Madison	27	0.000	2.746	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
121	Marion	36	2.538	2.538	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	36	100.0%	2.54
123	Marshall	9	0.898	1.714	0	0.0%	NA	4	44.4%	0.36	4	44.4%	1.27	1	11.1%	1.54
125	Mason	12	0.088	0.888	12	100.0%	0.09	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
127	Massac	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
129	Menard	4	1.109	3.591	1	25.0%	0.88	3	75.0%	1.18	0	0.0%	NA	0	0.0%	NA
131	Mercer	3	0.359	1.687	2	66.7%	0.24	1	33.3%	0.60	0	0.0%	NA	0	0.0%	NA
133	Monroe	91	0.019	13.555	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	1	1.1%	1.75

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135	Montgomery	14	0.337	1.784	13	92.9%	0.27	0	0.0%	NA	0	0.0%	NA	1	7.1%	1.20
137	Morgan	2	5.986	13.532	1	50.0%	1.73	0	0.0%	NA	1	50.0%	10.24	0	0.0%	NA
139	Moultrie	7	0.000	2.241	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
141	Ogle	8	0.777	2.111	2	25.0%	0.81	3	37.5%	0.61	3	37.5%	0.93	0	0.0%	NA
143	Peoria	11	0.155	1.763	8	72.7%	0.18	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
145	Perry	1	0.889	7.559	1	100.0%	0.89	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
147	Piatt	7	0.139	1.108	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
149	Pike	3	2.497	5.360	2	66.7%	2.37	0	0.0%	NA	1	33.3%	2.76	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	1	2.284	2.284	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	1	100.0%	2.28
155	Putnam	9	0.652	1.224	0	0.0%	NA	4	44.4%	0.34	5	55.6%	0.90	0	0.0%	NA
157	Randolph	104	2.393	7.105	75	72.1%	1.91	22	21.2%	2.92	7	6.7%	5.98	0	0.0%	NA
159	Richland	23	0.000	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
161	Rock Island	2	0.000	2.693	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
163	StClair	16	0.872	2.153	1	6.3%	0.16	3	18.8%	0.79	6	37.5%	1.24	2	12.5%	1.98
165	Saline	5	0.658	5.919	0	0.0%	NA	5	100.0%	0.66	0	0.0%	NA	0	0.0%	NA
167	Sangamon	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
169	Schuyler	14	0.341	3.656	14	100.0%	0.34	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
171	Scott	1	1.787	2.808	0	0.0%	NA	0	0.0%	NA	1	100.0%	1.79	0	0.0%	NA
173	Shelby	15	2.428	2.500	0	0.0%	NA	0	0.0%	NA	2	13.3%	0.75	13	86.7%	2.69
175	Stark	4	0.084	0.418	4	100.0%	0.08	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
177	Stephenson	13	0.000	1.189	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
179	Tazewell	5	0.967	1.874	2	40.0%	0.40	1	20.0%	0.12	2	40.0%	1.95	0	0.0%	NA
181	Union	18	1.637	13.960	18	100.0%	1.64	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
183	Vermilion	0	NA	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
185	Wabash	17	0.000	4.386	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
187	Warren	1	0.416	1.387	1	100.0%	0.42	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
189	Washington															
191	Wayne	15	0.558	4.075	14	93.3%	0.53	1	6.7%	0.93	0	0.0%	NA	0	0.0%	NA
193	White	20	0.711	6.269	20	100.0%	0.71	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
195	Whiteside	5	0.000	0.810	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
197	Will	4	0.000	0.376	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
199	Williamson	18	4.795	5.375	0	0.0%	NA	0	0.0%	NA	4	22.2%	4.65	14	77.8%	4.84

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201	Winnebago	14	0.598	1.353	6	42.9%	0.54	2	14.3%	0.51	6	42.9%	0.69	0	0.0%	NA
203	Woodford	4	0.000	1.308	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA	0	0.0%	NA
Total		1232	0.911	#DIV/0!	581	38.0%	0.33	133	10.5%	0.24	95	11.0%	0.44	165	12.8%	0.51