

2018

Transect Survey

Soybean 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	325	1.22	5.40	112	34.5%	0.62	192	59.1%	1.24	14	4.3%	3.31	7	2.2%	6.12
3	Alexander	96	4.17	5.69	28	29.2%	1.79	2	2.1%	1.27	2	2.1%	1.58	64	66.7%	5.38
5	Bond	183	1.15	4.19	34	18.6%	0.52	121	66.1%	0.98	22	12.0%	2.46	6	3.3%	3.44
7	Boone	176	1.36	3.17	44	25.0%	0.27	82	46.6%	1.30	31	17.6%	2.14	19	10.8%	2.87
9	Brown	224	1.79	5.23	78	34.8%	0.63	64	28.6%	1.42	57	25.4%	2.32	25	11.2%	5.12
11	Bureau	189	0.87	2.68	37	19.6%	0.53	124	65.6%	0.73	21	11.1%	1.49	7	3.7%	3.41
13	Calhoun	138	3.28	8.82	63	45.7%	0.88	36	26.1%	2.30	18	13.0%	3.91	21	15.2%	11.63
15	Carroll	116	1.78	6.30	45	38.8%	0.79	64	55.2%	2.30	6	5.2%	3.15	1	0.9%	5.39
17	Cass	218	1.21	6.53	116	53.2%	0.93	101	46.3%	1.53	1	0.5%	2.23	0	0.0%	NA
19	Champaign	401	1.07	2.24	95	23.7%	0.16	57	14.2%	0.60	167	41.6%	1.14	82	20.4%	2.32
21	Christian	218	1.99	3.42	6	2.8%	0.18	22	10.1%	0.92	190	87.2%	2.18	0	0.0%	NA
23	Clark	241	2.12	3.51	21	8.7%	0.69	60	24.9%	1.32	110	45.6%	1.99	50	20.7%	3.98
25	Clay	343	2.20	5.00	158	46.1%	0.80	101	29.4%	2.06	15	4.4%	2.38	69	20.1%	5.58
27	Clinton	255	3.18	3.92	42	16.5%	0.43	30	11.8%	1.45	3	1.2%	2.24	180	70.6%	4.13
29	Coles	269	2.08	3.98	29	10.8%	0.42	103	38.3%	1.09	93	34.6%	2.48	44	16.4%	4.65
31	Cook															
33	Crawford	275	2.80	5.08	44	16.0%	0.88	32	11.6%	1.44	127	46.2%	3.14	72	26.2%	3.98
35	Cumberland	319	1.99	3.47	51	16.0%	0.40	79	24.8%	0.84	97	30.4%	2.03	92	28.8%	3.82
37	DeKalb	148	1.37	3.46	33	22.3%	0.70	73	49.3%	1.24	36	24.3%	1.86	6	4.1%	3.68
39	DeWitt	324	1.52	3.58	48	14.8%	0.44	134	41.4%	0.94	112	34.6%	1.77	30	9.3%	4.90
41	Douglas	260	1.25	2.37	30	11.5%	0.23	49	18.8%	0.97	151	58.1%	1.34	30	11.5%	2.28
43	DuPage															
45	Edgar	225	1.30	4.79	95	42.2%	0.36	75	33.3%	1.13	28	12.4%	2.11	27	12.0%	4.21
47	Edwards	204	1.77	7.25	145	71.1%	1.00	30	14.7%	2.98	13	6.4%	3.11	16	7.8%	5.43
49	Effingham	316	1.29	2.36	58	18.4%	0.33	65	20.6%	0.83	100	31.6%	0.93	93	29.4%	2.60
51	Fayette	427	1.73	3.16	92	21.5%	0.57	109	25.5%	0.96	98	23.0%	1.46	128	30.0%	3.43
53	Ford	318	1.60	2.71	85	26.7%	0.29	34	10.7%	0.66	107	33.6%	1.45	92	28.9%	3.32
55	Franklin	263	3.42	8.54	141	53.6%	2.01	66	25.1%	2.36	33	12.5%	6.74	23	8.7%	10.39
57	Fulton	257	1.06	5.28	167	65.0%	0.68	52	20.2%	1.27	35	13.6%	2.26	3	1.2%	4.57
59	Gallatin	243	2.39	4.48	74	30.5%	0.55	27	11.1%	1.72	32	13.2%	2.34	110	45.3%	3.80
61	Greene	302	1.50	4.56	152	50.3%	0.75	98	32.5%	1.14	10	3.3%	3.77	42	13.9%	4.49
63	Grundy	243	0.76	2.00	116	47.7%	0.23	75	30.9%	0.68	39	16.0%	1.36	13	5.3%	4.10
65	Hamilton	211	2.40	7.04	120	56.9%	1.82	16	7.6%	1.56	31	14.7%	3.10	44	20.9%	3.82

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67	Hancock	244	1.02	4.32	127	52.0%	0.71	67	27.5%	1.07	40	16.4%	1.78	10	4.1%	1.49
69	Hardin	24	11.81	14.25	3	12.5%	1.26	0	0.0%	NA	5	20.8%	8.09	16	66.7%	14.95
71	Henderson	209	1.63	6.10	84	40.2%	1.05	100	47.8%	1.98	24	11.5%	2.01	1	0.5%	7.46
73	Henry	269	1.20	6.86	102	37.9%	0.89	139	51.7%	1.18	24	8.9%	2.38	3	1.1%	2.20
75	Iroquois	210	0.51	1.66	64	30.5%	0.15	109	51.9%	0.38	27	12.9%	0.91	10	4.8%	3.20
77	Jackson	206	4.17	7.56	73	35.4%	2.87	15	7.3%	1.86	14	6.8%	5.95	104	50.5%	5.17
79	Jasper	282	1.24	2.57	71	25.2%	0.41	62	22.0%	1.06	83	29.4%	1.21	66	23.4%	2.33
81	Jefferson	271	4.33	10.34	141	52.0%	2.83	47	17.3%	3.20	53	19.6%	6.28	30	11.1%	9.75
83	Jersey	202	2.03	8.67	105	52.0%	0.78	66	32.7%	2.73	25	12.4%	4.45	6	3.0%	6.10
85	JoDavie	115	2.63	10.20	52	45.2%	1.21	53	46.1%	2.86	6	5.2%	9.17	4	3.5%	8.32
87	Johnson	64	5.49	16.34	46	71.9%	3.00	6	9.4%	4.35	9	14.1%	12.12	3	4.7%	26.06
89	Kane	141	1.18	2.71	33	23.4%	0.54	67	47.5%	0.86	26	18.4%	1.80	15	10.6%	2.99
91	Kankakee	204	0.40	1.18	82	40.2%	0.27	66	32.4%	0.37	44	21.6%	0.49	12	5.9%	1.17
93	Kendall	200	0.65	1.75	72	36.0%	0.19	66	33.0%	0.53	57	28.5%	1.18	5	2.5%	2.99
95	Knox	192	1.16	5.19	149	77.6%	0.82	37	19.3%	2.02	6	3.1%	4.25	0	0.0%	NA
97	Lake															
99	LaSalle	211	1.08	2.36	75	35.5%	0.30	62	29.4%	0.69	23	10.9%	1.45	51	24.2%	2.53
101	Lawrence	295	1.38	4.28	131	44.4%	0.83	63	21.4%	1.25	63	21.4%	2.17	38	12.9%	2.14
103	Lee	166	0.78	2.64	38	22.9%	0.42	102	61.4%	0.67	20	12.0%	1.26	6	3.6%	3.28
105	Livingston	290	0.90	2.59	47	16.2%	0.42	181	62.4%	0.67	38	13.1%	1.29	24	8.3%	3.00
107	Logan	261	0.86	3.73	79	30.3%	0.50	152	58.2%	0.92	29	11.1%	1.55	1	0.4%	1.64
109	McDonough	223	1.80	7.40	126	56.5%	0.80	65	29.1%	2.05	26	11.7%	4.65	6	2.7%	7.96
111	McHenry	142	1.59	5.69	40	28.2%	0.79	85	59.9%	1.30	0	0.0%	NA	17	12.0%	4.95
113	McLean	375	1.22	6.13	139	37.1%	0.54	211	56.3%	1.38	20	5.3%	3.21	5	1.3%	5.71
115	Macon	258	1.38	3.35	44	17.1%	0.38	118	45.7%	0.84	73	28.3%	1.94	23	8.9%	4.27
117	Macoupin	334	1.14	2.92	78	23.4%	0.37	136	40.7%	0.77	82	24.6%	1.38	38	11.4%	3.47
119	Madison	167	2.42	4.61	4	2.4%	0.25	75	44.9%	0.97	57	34.1%	2.31	31	18.6%	6.42
121	Marion	244	1.47	3.48	84	34.4%	0.58	68	27.9%	0.80	37	15.2%	1.74	55	22.5%	3.49
123	Marshall	188	0.78	3.46	62	33.0%	0.37	81	43.1%	0.79	44	23.4%	1.32	1	0.5%	1.42
125	Mason	230	1.01	3.82	99	43.0%	0.69	81	35.2%	1.13	50	21.7%	1.44	0	0.0%	NA
127	Massac	173	1.35	8.72	147	85.0%	1.09	10	5.8%	2.20	2	1.2%	3.43	14	8.1%	3.18
129	Menard	228	1.50	6.38	108	47.4%	0.86	73	32.0%	1.54	43	18.9%	2.86	4	1.8%	3.34
131	Mercer	194	1.27	5.64	117	60.3%	0.75	63	32.5%	1.95	12	6.2%	2.40	2	1.0%	3.20

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133	Monroe	172	4.95	13.62	35	20.3%	2.42	83	48.3%	4.06	34	19.8%	7.24	20	11.6%	9.18
135	Montgomery	188	1.38	3.23	40	21.3%	0.37	71	37.8%	0.84	57	30.3%	1.64	20	10.6%	4.56
137	Morgan	373	1.75	5.89	125	33.5%	0.60	129	34.6%	1.32	106	28.4%	3.18	13	3.5%	5.43
139	Moultrie	232	1.27	2.32	13	5.6%	0.22	51	22.0%	1.01	165	71.1%	1.41	3	1.3%	2.61
141	Ogle	178	1.60	4.41	51	28.7%	0.54	70	39.3%	1.64	47	26.4%	2.28	10	5.6%	3.44
143	Peoria	230	0.67	3.79	148	64.3%	0.40	66	28.7%	0.88	13	5.7%	2.09	3	1.3%	3.55
145	Perry	253	3.33	9.40	166	65.6%	2.37	43	17.0%	3.82	24	9.5%	3.79	20	7.9%	9.65
147	Piatt	328	1.11	3.15	45	13.7%	0.32	227	69.2%	0.87	42	12.8%	1.96	14	4.3%	4.94
149	Pike	174	1.57	6.26	67	38.5%	0.91	70	40.2%	1.23	26	14.9%	3.28	11	6.3%	3.78
151	Pope	63	3.37	8.89	29	46.0%	1.11	4	6.3%	5.55	13	20.6%	4.53	17	27.0%	5.84
153	Pulaski	121	6.56	16.06	86	71.1%	3.72	3	2.5%	1.09	1	0.8%	2.67	31	25.6%	15.09
155	Putnam	79	1.03	3.63	23	29.1%	0.56	45	57.0%	1.23	11	13.9%	1.23	0	0.0%	NA
157	Randolph	258	3.22	9.68	216	83.7%	2.93	17	6.6%	3.00	17	6.6%	5.55	8	3.1%	6.60
159	Richland	257	1.84	4.79	113	44.0%	0.65	77	30.0%	1.57	26	10.1%	2.21	41	16.0%	5.42
161	Rock Island	165	2.12	8.86	118	71.5%	1.54	39	23.6%	2.62	6	3.6%	4.11	2	1.2%	20.14
163	St Clair	143	1.06	3.99	40	28.0%	0.48	77	53.8%	0.89	20	14.0%	1.88	6	4.2%	4.34
165	Saline	249	2.95	6.70	157	63.1%	1.88	26	10.4%	1.85	32	12.9%	6.04	34	13.7%	5.82
167	Sangamon	235	2.28	4.42	37	15.7%	0.65	85	36.2%	1.04	52	22.1%	2.49	61	26.0%	4.81
169	Schuyler	313	1.95	6.89	133	42.5%	0.91	119	38.0%	1.65	33	10.5%	3.74	27	8.6%	6.26
171	Scott	192	1.05	5.23	116	60.4%	0.56	51	26.6%	1.70	24	12.5%	1.90	1	0.5%	5.25
173	Shelby	409	2.33	4.67	22	5.4%	0.63	158	38.6%	1.56	199	48.7%	2.84	30	7.3%	4.28
175	Stark	270	1.12	4.20	125	46.3%	0.56	123	45.6%	1.44	22	8.1%	2.49	0	0.0%	NA
177	Stephenson	193	1.47	5.79	107	55.4%	0.71	69	35.8%	1.90	12	6.2%	3.98	5	2.6%	5.99
179	Tazewell	225	1.33	4.22	74	32.9%	0.91	94	41.8%	1.08	52	23.1%	2.23	5	2.2%	3.00
181	Union	84	6.25	17.95	51	60.7%	2.73	12	14.3%	8.32	3	3.6%	6.34	18	21.4%	14.83
183	Vermilion	219	1.38	2.83	9	4.1%	0.32	89	40.6%	0.72	87	39.7%	1.59	34	15.5%	2.87
185	Wabash	243	2.13	6.07	92	37.9%	0.87	103	42.4%	1.54	21	8.6%	2.32	27	11.1%	8.57
187	Warren	209	0.86	4.30	90	43.1%	0.78	101	48.3%	0.79	15	7.2%	0.90	3	1.4%	1.92
189	Washington	223	2.36	4.96	59	26.5%	0.86	59	26.5%	1.29	36	16.1%	2.71	69	30.9%	4.38
191	Wayne	216	2.17	5.37	123	56.9%	1.06	41	19.0%	2.03	9	4.2%	2.34	43	19.9%	5.46
193	White	277	1.76	6.25	184	66.4%	1.24	34	12.3%	2.16	28	10.1%	2.57	31	11.2%	3.69
195	Whiteside	123	1.18	4.05	47	38.2%	0.56	45	36.6%	1.41	26	21.1%	1.71	5	4.1%	2.14
197	Will	193	0.60	2.07	58	30.1%	0.31	102	52.8%	0.55	30	15.5%	1.16	3	1.6%	2.39

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199	Williamson	80	4.90	11.19	30	37.5%	1.93	13	16.3%	5.60	19	23.8%	7.56	18	22.5%	6.54
201	Winnebago	250	1.15	4.34	132	52.8%	0.78	91	36.4%	1.37	25	10.0%	1.64	2	0.8%	10.06
203	Woodford	192	0.88	2.88	76	39.6%	0.36	74	38.5%	0.78	27	14.1%	1.23	15	7.8%	3.37
	Total	22148	1.99	5.45	7906	37.4%	0.85	7068	32.1%	1.55	4207	18.1%	2.74	2640	12.4%	4.87