

2017

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	292	1.814	5.275	107	36.6%	0.635	110	37.7%	1.333	56	19.2%	3.209	19	6.5%	7.129
3	Alexander	104	2.224	4.348	54	51.9%	1.003	1	1.0%	0.988	6	5.8%	1.923	43	41.3%	3.828
5	Bond	159	1.382	3.860	32	20.1%	0.538	108	67.9%	1.425	18	11.3%	2.315	1	0.6%	6.943
7	Boone	202	1.374	2.710	48	23.8%	0.295	52	25.7%	1.226	46	22.8%	1.460	56	27.7%	2.364
9	Brown	205	2.365	5.125	66	32.2%	0.558	61	29.8%	1.043	34	16.6%	2.701	44	21.5%	6.650
11	Bureau	178	0.868	2.641	70	39.3%	0.501	75	42.1%	0.627	29	16.3%	1.898	4	2.2%	4.335
13	Calhoun	94	3.441	9.436	43	45.7%	0.849	22	23.4%	1.258	14	14.9%	6.099	15	16.0%	11.596
15	Carroll	104	2.273	6.598	53	51.0%	1.404	33	31.7%	2.524	18	17.3%	4.374	0	0.0%	NA
17	Cass	207	1.741	6.253	112	54.1%	1.599	82	39.6%	1.796	13	6.3%	2.610	0	0.0%	NA
19	Champaign	288	0.720	1.905	63	21.9%	0.118	118	41.0%	0.463	68	23.6%	0.892	39	13.5%	2.167
21	Christian	213	1.829	3.132	15	7.0%	0.754	18	8.5%	0.915	164	77.0%	1.872	16	7.5%	3.421
23	Clark	245	1.518	2.245	19	7.8%	0.261	29	11.8%	1.158	99	40.4%	1.086	98	40.0%	2.304
25	Clay	366	2.579	4.499	101	27.6%	0.917	86	23.5%	1.309	38	10.4%	2.229	141	38.5%	4.637
27	Clinton	232	2.853	3.393	30	12.9%	0.529	11	4.7%	0.981	9	3.9%	1.161	182	78.4%	3.433
29	Coles	279	2.681	4.051	24	8.6%	0.377	60	21.5%	1.063	98	35.1%	2.525	97	34.8%	4.411
31	Cook	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33	Crawford	247	2.663	4.375	44	17.8%	0.397	51	20.6%	1.090	59	23.9%	2.781	93	37.7%	4.522
35	Cumberland	335	1.785	2.490	41	12.2%	0.250	35	10.4%	0.880	71	21.2%	1.333	188	56.1%	2.459
37	DeKalb	168	1.519	3.251	37	22.0%	0.633	43	25.6%	1.387	66	39.3%	1.565	22	13.1%	3.131
39	DeWitt	324	0.926	3.436	123	38.0%	0.458	158	48.8%	0.818	25	7.7%	2.058	18	5.6%	3.493
41	Douglas	228	1.406	2.124	17	7.5%	0.183	30	13.2%	0.695	89	39.0%	1.330	92	40.4%	1.937
45	Edgar	230	1.018	3.921	111	48.3%	0.334	55	23.9%	0.917	40	17.4%	2.006	24	10.4%	2.767
47	Edwards	192	2.044	7.949	108	56.3%	1.302	35	18.2%	2.506	37	19.3%	2.992	12	6.3%	4.456
49	Effingham	309	1.570	2.071	37	12.0%	0.210	52	16.8%	0.891	29	9.4%	1.375	191	61.8%	2.048
51	Fayette	406	1.962	2.572	72	17.7%	0.745	54	13.3%	0.982	38	9.4%	1.693	242	59.6%	2.586
53	Ford	300	0.798	2.076	103	34.3%	0.170	86	28.7%	0.507	68	22.7%	1.045	43	14.3%	2.495
55	Franklin	258	4.644	8.774	58	22.5%	2.382	80	31.0%	2.373	64	24.8%	4.664	56	21.7%	10.210
57	Fulton	259	1.272	4.722	138	53.3%	0.653	67	25.9%	1.503	52	20.1%	2.463	2	0.8%	5.297
59	Gallatin	226	2.590	4.927	34	15.0%	0.654	4	1.8%	1.256	160	70.8%	2.947	28	12.4%	3.095
61	Greene	289	1.815	3.706	145	50.2%	0.586	15	5.2%	1.556	24	8.3%	1.787	105	36.3%	3.556
63	Grundy	232	0.794	1.817	101	43.5%	0.184	51	22.0%	0.640	53	22.8%	1.130	27	11.6%	2.708
65	Hamilton	200	2.469	6.088	91	45.5%	1.063	8	4.0%	1.966	23	11.5%	3.212	78	39.0%	3.941
67	Hancock	254	0.895	3.851	109	42.9%	0.386	81	31.9%	0.996	49	19.3%	1.494	15	5.9%	2.100

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69	Hardin	26	4.562	10.803	17	65.4%	1.946	2	7.7%	1.995	0	0.0%	NA	7	26.9%	11.649
71	Henderson	202	1.933	6.205	87	43.1%	1.059	53	26.2%	1.998	34	16.8%	2.400	28	13.9%	3.960
73	Henry	242	2.168	7.701	61	25.2%	0.929	137	56.6%	1.833	24	9.9%	3.762	20	8.3%	6.323
75	Iroquois	212	0.614	1.666	56	26.4%	0.120	81	38.2%	0.518	50	23.6%	0.667	25	11.8%	1.930
77	Jackson	140	2.800	8.579	79	56.4%	1.424	16	11.4%	2.067	32	22.9%	3.390	13	9.3%	10.610
79	Jasper	291	1.458	2.916	60	20.6%	0.409	67	23.0%	1.132	81	27.8%	1.419	83	28.5%	2.517
81	Jefferson	287	4.699	10.210	109	38.0%	3.331	73	25.4%	2.412	54	18.8%	6.233	51	17.8%	9.270
83	Jersey	159	1.812	8.527	82	51.6%	0.733	61	38.4%	2.029	5	3.1%	3.655	11	6.9%	7.817
85	JoDavie	102	2.043	9.656	62	60.8%	1.263	26	25.5%	2.257	4	3.9%	3.594	10	9.8%	5.704
87	Johnson	57	4.617	15.319	39	68.4%	1.723	6	10.5%	3.227	7	12.3%	8.003	5	8.8%	24.118
89	Kane	112	1.056	2.188	27	24.1%	0.327	29	25.9%	0.701	35	31.3%	1.185	21	18.8%	2.267
91	Kankakee	220	0.449	1.093	96	43.6%	0.132	57	25.9%	0.357	27	12.3%	0.753	40	18.2%	1.139
93	Kendall	205	0.782	1.931	78	38.0%	0.186	55	26.8%	0.707	52	25.4%	1.272	20	9.8%	2.040
95	Knox	201	1.014	4.399	144	71.6%	0.770	49	24.4%	1.510	8	4.0%	2.369	0	0.0%	NA
97	Lake	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
99	LaSalle	208	1.364	2.253	77	37.0%	0.247	0	0.0%	NA	27	13.0%	1.359	104	50.0%	2.193
101	Lawrence	273	1.208	4.245	114	41.8%	0.779	76	27.8%	1.091	48	17.6%	1.869	35	12.8%	1.950
103	Lee	172	1.099	2.420	21	12.2%	0.356	113	65.7%	0.890	5	2.9%	1.414	33	19.2%	2.243
105	Livingston	213	0.863	2.524	77	36.2%	0.226	75	35.2%	0.714	42	19.7%	1.363	19	8.9%	2.925
107	Logan	269	1.045	3.570	113	42.0%	0.550	82	30.5%	0.975	68	25.3%	1.807	6	2.2%	2.662
109	McDonough	217	1.971	6.667	89	41.0%	0.584	77	35.5%	1.871	40	18.4%	3.747	11	5.1%	7.429
111	McHenry	153	2.682	6.382	54	35.3%	0.632	26	17.0%	1.798	37	24.2%	3.482	36	23.5%	5.573
113	McLean	228	1.476	5.724	86	37.7%	0.504	112	49.1%	1.297	18	7.9%	3.968	12	5.3%	6.371
115	Macon	296	1.534	3.561	51	17.2%	0.534	102	34.5%	1.006	122	41.2%	1.935	21	7.1%	4.189
117	Macoupin	210	1.230	2.836	33	15.7%	0.333	82	39.0%	0.993	54	25.7%	1.438	41	19.5%	2.154
119	Madison	162	3.411	7.059	54	33.3%	1.923	19	11.7%	2.791	52	32.1%	3.542	37	22.8%	5.714
121	Marion	255	1.514	2.770	46	18.0%	0.204	63	24.7%	0.827	51	20.0%	1.420	95	37.3%	2.656
123	Marshall	204	1.079	3.217	61	29.9%	0.670	110	53.9%	1.025	28	13.7%	1.649	5	2.5%	4.055
125	Mason	223	1.059	3.620	72	32.3%	0.561	78	35.0%	1.229	67	30.0%	1.272	6	2.7%	2.469
127	Massac	159	1.360	7.242	135	84.9%	0.700	2	1.3%	3.791	2	1.3%	1.544	20	12.6%	5.552
129	Menard	236	1.745	5.403	96	40.7%	0.771	71	30.1%	1.400	36	15.3%	2.551	33	14.0%	4.442
131	Mercer	180	0.871	5.386	139	77.2%	0.590	36	20.0%	1.865	4	2.2%	1.683	1	0.6%	0.971
133	Monroe	184	9.464	12.061	31	16.8%	4.686	10	5.4%	1.743	26	14.1%	5.252	117	63.6%	12.325

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135	Montgomery	221	1.619	2.960	39	17.6%	0.330	37	16.7%	0.769	65	29.4%	1.612	80	36.2%	2.646
137	Morgan	147	1.241	6.568	88	59.9%	0.698	42	28.6%	1.847	11	7.5%	2.275	6	4.1%	3.080
139	Moultrie	215	1.034	1.868	49	22.8%	0.209	57	26.5%	0.584	63	29.3%	1.071	46	21.4%	2.420
141	Ogle	185	1.774	4.111	39	21.1%	0.473	74	40.0%	1.538	55	29.7%	2.228	17	9.2%	4.312
143	Peoria	239	1.320	3.676	92	38.5%	0.370	79	33.1%	0.931	35	14.6%	2.039	33	13.8%	4.138
145	Perry	326	2.576	9.593	190	58.3%	1.488	107	32.8%	3.604	20	6.1%	5.135	9	2.8%	7.632
147	Piatt	305	1.227	2.942	33	10.8%	0.342	178	58.4%	0.805	58	19.0%	1.828	36	11.8%	3.153
149	Pike	216	1.897	6.359	96	44.4%	0.803	67	31.0%	2.170	33	15.3%	2.755	20	9.3%	4.818
151	Pope	86	2.387	6.887	44	51.2%	0.955	4	4.7%	1.324	0	0.0%	NA	38	44.2%	4.156
153	Pulaski	133	6.965	17.032	75	56.4%	4.175	9	6.8%	4.598	5	3.8%	16.382	44	33.1%	11.135
155	Putnam	88	1.432	3.643	42	47.7%	1.138	20	22.7%	1.365	24	27.3%	1.964	2	2.3%	1.877
157	Randolph	239	2.117	7.343	201	84.1%	2.010	25	10.5%	1.981	13	5.4%	4.034	0	0.0%	NA
159	Richland	259	1.836	4.234	122	47.1%	0.615	61	23.6%	1.115	8	3.1%	1.919	68	26.3%	4.663
161	Rock Island	168	1.879	7.282	98	58.3%	1.359	42	25.0%	2.673	16	9.5%	3.030	12	7.1%	1.810
163	StClair	114	1.825	4.315	16	14.0%	0.517	48	42.1%	1.077	33	28.9%	2.699	17	14.9%	3.473
165	Saline	180	2.763	5.028	62	34.4%	1.285	8	4.4%	0.954	30	16.7%	2.747	80	44.4%	4.095
167	Sangamon	212	2.480	3.674	19	9.0%	0.892	57	26.9%	1.009	33	15.6%	1.369	103	48.6%	3.942
169	Schuyler	317	3.610	6.869	105	33.1%	0.927	28	8.8%	1.921	68	21.5%	3.606	116	36.6%	6.448
171	Scott	229	0.890	4.417	133	58.1%	0.511	60	26.2%	1.161	32	14.0%	1.616	4	1.7%	3.619
173	Shelby	389	3.407	4.317	5	1.3%	1.115	30	7.7%	1.377	148	38.0%	2.906	206	53.0%	4.118
175	Stark	261	1.122	4.138	120	46.0%	0.597	100	38.3%	1.297	41	15.7%	2.228	0	0.0%	NA
177	Stephenson	179	1.848	4.821	77	43.0%	0.625	47	26.3%	1.853	23	12.8%	2.128	32	17.9%	4.585
179	Tazewell	211	1.446	4.085	71	33.6%	0.860	65	30.8%	1.363	68	32.2%	1.874	7	3.3%	4.016
181	Union	96	5.500	20.425	82	85.4%	4.331	0	0.0%	NA	0	0.0%	NA	14	14.6%	12.348
183	Vermilion	222	1.406	2.503	17	7.7%	0.405	71	32.0%	0.587	69	31.1%	1.236	65	29.3%	2.744
185	Wabash	216	2.546	6.495	108	50.0%	0.992	36	16.7%	2.292	25	11.6%	3.996	47	21.8%	5.539
187	Warren	185	0.857	4.322	149	80.5%	0.800	31	16.8%	1.061	2	1.1%	1.021	3	1.6%	1.344
189	Washington															
191	Wayne	216	2.954	5.564	89	41.2%	1.103	39	18.1%	2.082	16	7.4%	2.717	72	33.3%	5.768
193	White	261	2.185	5.900	137	52.5%	1.179	22	8.4%	1.866	33	12.6%	2.367	69	26.4%	4.196
195	Whiteside	137	1.175	4.430	55	40.1%	1.087	60	43.8%	1.155	17	12.4%	1.163	5	3.6%	2.447
197	Will	194	0.663	1.908	19	9.8%	0.306	154	79.4%	0.585	21	10.8%	1.560	0	0.0%	NA
199	Williamson	66	5.609	11.034	33	50.0%	3.173	3	4.5%	1.278	14	21.2%	8.709	16	24.2%	8.734

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201	Winnebago	273	1.290	3.986	100	36.6%	0.557	106	38.8%	1.444	62	22.7%	2.144	5	1.8%	2.088
203	Woodford	203	0.950	2.591	86	42.4%	0.246	58	28.6%	0.708	35	17.2%	1.693	24	11.8%	2.972
	Total	20911	2.027	5.174	7243	37.24%	0.866	5442	25.43%	1.375	3973	18.25%	2.463	4253	19.08%	4.276