

2015

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	271	2.3	5.4	27	9.6%	0.6	148	54.6%	1.7	76	27.7%	3	20	7.4%	6.2
3	Alexander	98	2.8	4.4	37	37.8%	1.2	1	1.0%	0.8	4	4.1%	3.6	56	57.1%	3.9
5	Bond	181	1.5	3.6	69	38.1%	0.5	64	35.4%	1.3	11	6.1%	1.7	37	20.4%	3.7
7	Boone	171	1	2.8	63	36.8%	0.4	59	34.5%	1	41	24.0%	1.1	8	4.7%	6.1
9	Brown	175	1.4	4.6	55	31.0%	0.5	85	49.0%	0.9	22	13.0%	2.3	13	7.0%	6.4
11	Bureau	184	0.7	2.6	69	37.5%	0.5	92	50.0%	0.7	21	11.4%	1.6	2	1.1%	2.7
13	Calhoun	64	1.9	5.3	54	84.4%	1.8	2	3.1%	0.6	8	12.5%	2.2	0	0.0%	0
15	Carroll	114	2.1	6.2	48	42.1%	1.5	52	45.6%	2.1	14	12.3%	3.8	0	0.0%	0
17	Cass	214	1.1	5.9	108	50.0%	0.8	96	45.0%	1.3	10	5.0%	1.9	0	0.0%	0
19	Champaign	275	0.6	1.8	70	25.0%	0.1	113	41.0%	0.5	69	25.0%	0.9	23	8.0%	2.2
21	Christian	213	1.7	3	18	8.0%	0.3	9	4.0%	0.4	179	84.0%	1.8	7	3.0%	2.7
23	Clark	241	1.2	2.2	25	10.0%	0.3	48	20.0%	0.8	128	53.0%	1.1	40	17.0%	2.2
25	Clay	334	1.5	4.2	114	34.1%	0.7	125	37.4%	1.4	42	12.6%	1.7	53	15.9%	3.4
27	Clinton	266	1.7	2.9	80	29.7%	0.3	46	17.3%	1	18	6.8%	1.7	122	45.9%	2.9
29	Coles	242	1.3	2.6	33	14.0%	0.3	85	35.0%	0.8	77	32.0%	1.3	47	19.0%	3.1
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	254	2.9	4.6	40	15.7%	0.4	51	20.1%	1.1	60	23.6%	2.9	103	40.6%	4.8
35	Cumberland	311	1.1	2.4	28	9.0%	0.3	110	35.4%	0.6	119	38.3%	1.4	54	17.4%	2
37	DeKalb	160	1.4	3.3	24	15.0%	0.6	99	62.0%	1.1	29	18.0%	1.9	8	5.0%	5
39	DeWitt	304	0.6	3.3	103	33.9%	0.5	188	61.8%	0.5	7	2.3%	1.5	6	2.0%	5.6
41	Douglas	224	1.2	2	26	11.6%	0.2	43	19.2%	0.5	93	41.5%	1.1	62	27.7%	2.4
45	Edgar	227	1.7	4.2	76	33.0%	0.4	61	27.0%	1	34	15.0%	2	56	25.0%	4.2
47	Edwards	181	1.9	7.6	144	79.6%	1.1	21	11.6%	2	4	2.2%	3.4	12	6.6%	10.8
49	Effingham	295	1.1	1.9	46	15.6%	0.2	81	27.5%	0.7	81	27.5%	1.2	87	29.5%	2
51	Fayette	386	1.6	2.6	56	14.5%	1	116	30.1%	1.1	109	28.2%	1.3	105	27.2%	2.7
53	Ford	305	0.8	2.4	109	35.7%	0.2	128	42.0%	0.9	55	18.0%	1.5	13	4.3%	2.3
55	Franklin	181	3.7	6.5	0	0.0%	0	71	39.2%	1.3	54	29.8%	2.8	56	30.9%	7.5
57	Fulton	247	1.2	4.7	147	59.5%	0.5	55	22.3%	1.5	35	14.2%	2.4	10	4.0%	5.2
59	Gallatin	188	2.6	4.9	36	19.1%	0.8	8	4.3%	1.5	118	62.8%	2.6	26	13.8%	5.7
61	Greene	278	1.3	5.5	171	61.5%	0.6	88	31.7%	2	2	0.7%	4.9	17	6.1%	4.4
63	Grundy	206	0.7	1.8	107	51.9%	0.2	40	19.4%	0.6	50	24.3%	1.2	9	4.4%	4.1
65	Hamilton	208	1.8	5.8	104	50.0%	1.1	54	26.0%	1.9	17	8.2%	2.8	33	15.9%	3.4
67	Hancock	240	2	6.4	59	24.6%	0.8	94	39.2%	1.5	74	30.8%	3.2	13	5.4%	4.3
69	Hardin	29	4.6	11.7	17	58.6%	1	0	0.0%	0	4	13.8%	7.9	8	27.6%	10.7
71	Henderson	199	1.7	6.4	91	45.7%	0.9	92	46.2%	1.8	10	5.0%	6.1	6	3.0%	4.2

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73	Henry	247	1.6	6.5	97	39.3%	0.8	124	50.2%	1.7	18	7.3%	3.3	8	3.2%	7.3
75	Iroquois	219	0.3	1.6	86	39.3%	0.1	118	53.9%	0.3	14	6.4%	0.9	1	50.0%	1.7
77	Jackson	219	3.1	7	85	38.8%	1.7	42	19.2%	2	36	16.4%	5	56	25.6%	5
79	Jasper	284	1.2	2.6	59	20.8%	0.4	97	34.2%	0.8	82	28.9%	1.2	46	16.2%	2.9
81	Jefferson	246	6	9.5	53	21.1%	3	44	17.9%	2.7	48	19.5%	5.1	101	41.1%	9.5
83	Jersey	168	1.5	7.8	98	58.3%	0.7	47	28.0%	2.2	16	9.5%	3.1	7	4.2%	4.2
85	JoDavie	65	1.5	9.2	49	75.4%	1.4	15	23.1%	1.7	0	0.0%	0	1	1.5%	4.6
87	Johnson	44	3.6	14.3	34	77.3%	1.7	1	2.3%	7.7	6	13.6%	7.8	3	6.8%	16.2
89	Kane	119	1	2.3	32	26.9%	0.5	43	36.1%	0.7	32	26.9%	1.4	12	10.1%	2.3
91	Kankakee	187	0.2	1.1	110	58.8%	0.1	56	29.9%	0.3	14	7.5%	0.5	7	3.7%	1.1
93	Kendall	194	0.7	2	68	35.1%	0.2	65	33.5%	0.7	50	25.8%	1.1	11	5.7%	2.5
95	Knox	167	0.9	4.4	121	72.5%	0.6	41	24.6%	1.7	5	3.0%	3.2	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	201	0.9	2.1	74	36.8%	0.2	55	27.4%	0.7	32	15.9%	1.2	40	19.9%	2.2
101	Lawrence	282	1	4	106	37.6%	0.7	116	41.1%	0.8	36	12.8%	1.6	24	8.5%	2.3
103	Lee	147	0.8	2.4	24	16.3%	0.3	102	69.4%	0.8	18	12.2%	1.3	3	2.0%	2.1
105	Livingston	204	0.7	2.6	90	44.1%	0.2	82	40.2%	0.8	21	10.3%	1.2	11	5.4%	3.3
107	Logan	233	0.8	3.5	113	48.5%	0.6	79	33.9%	0.8	40	17.2%	1.5	1	0.4%	1.7
109	McDonough	233	2	6.8	79	33.9%	0.6	112	48.1%	1.9	19	8.2%	3.3	23	9.9%	6.6
111	McHenry	136	1.7	6.1	58	42.6%	0.6	59	43.4%	1.9	11	8.1%	3	8	5.9%	5.8
113	McLean	208	1.5	6	53	25.5%	0.5	128	61.5%	1.3	20	9.6%	4.1	7	3.4%	6.4
115	Macon	255	1.2	3.4	42	16.5%	0.5	173	67.8%	1	33	12.9%	2	7	2.7%	3.9
117	Macoupin	203	1.3	3.1	53	26.1%	0.7	75	36.9%	1.1	32	40.0%	0.5	43	60.0%	1
119	Madison	134	1.4	3.9	26	19.4%	0.4	49	36.6%	1.3	48	35.8%	1.7	11	8.2%	3.2
121	Marion	223	1.2	2.8	47	21.1%	0.3	83	37.2%	0.7	37	16.6%	1.3	56	25.1%	2.6
123	Marshall	234	1.6	4.4	106	45.3%	1.1	101	43.2%	1.3	0	0.0%	0	27	11.5%	4.7
125	Mason	186	1	3.7	78	41.9%	0.6	45	24.2%	1.3	60	32.3%	1.2	3	1.6%	3.5
127	Massac	128	1.9	7.4	93	72.7%	0.8	15	11.7%	2.9	6	4.7%	1.9	14	10.9%	7.8
129	Menard	181	1	5.4	114	63.0%	0.8	54	29.8%	1.1	12	6.6%	2.2	1	0.6%	1
131	Mercer	189	0.9	5.1	133	70.4%	0.6	43	22.8%	1.7	12	6.3%	1.3	1	0.5%	0.9
133	Monroe	111	4.4	7.1	9	8.1%	0.5	18	16.2%	2.4	37	33.3%	4.6	47	42.3%	5.7
135	Montgomery	210	0.7	2.8	60	28.6%	0.3	138	65.7%	0.7	11	5.2%	1.9	1	0.5%	2.5
137	Morgan	312	1.9	7.7	142	45.5%	1.1	112	35.9%	1.9	47	15.1%	3.2	11	3.5%	4.4
139	Moultrie	219	1.3	1.9	44	20.1%	0.3	26	11.9%	0.5	46	21.0%	1	103	47.0%	2
141	Ogle	163	1.5	4.4	57	34.4%	0.5	66	40.5%	1.6	33	20.2%	2.3	7	4.3%	4.8

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143	Peoria	237	0.8	4	135	57.0%	0.5	78	32.9%	0.9	21	8.9%	1.6	3	1.3%	4.2
145	Perry	214	3	8.6	107	50.0%	1.7	78	36.4%	3.3	22	10.3%	3.7	7	3.3%	15.9
147	Piatt	270	1.1	3.1	29	10.7%	0.4	174	64.4%	0.9	60	22.2%	1.7	7	2.6%	3.6
149	Pike	164	1.3	6.8	101	61.6%	0.8	52	31.7%	1.9	11	6.7%	2.8	0	0.0%	0
151	Pope	90	2.8	7.1	46	51.1%	0.8	3	3.3%	1.1	6	6.7%	4.7	35	38.9%	5.2
153	Pulaski	109	7.8	15.8	63	57.8%	4.3	1	0.9%	9.7	0	0.0%	0	45	41.3%	12.6
155	Putnam	70	2.6	5	15	21.4%	1	33	47.1%	1.6	0	0.0%	0	22	31.4%	5.1
157	Randolph	187	2.3	7	143	76.5%	1.7	20	10.7%	2.2	14	7.5%	4.5	10	5.3%	8.5
159	Richland	250	1.8	4	78	31.2%	0.9	58	23.2%	1.1	65	26.0%	1.7	49	19.6%	3.9
161	Rock Island	166	1.3	8.3	81	48.8%	1	80	48.2%	1.6	4	2.4%	4.3	1	0.6%	1.5
163	St Clair	151	0.7	3.6	104	68.9%	0.4	39	25.8%	1.3	8	5.3%	2.3	0	0.0%	0
165	Saline	174	3.2	7.8	60	34.5%	1.7	50	28.7%	1.6	41	23.6%	5.4	23	13.2%	6.5
167	Sangamon	222	1.1	3.6	60	27.0%	0.6	92	41.4%	0.9	69	31.1%	1.8	1	0.5%	8.5
169	Schuyler	280	2.8	7	94	33.2%	0.9	83	29.6%	1.9	63	22.5%	3.3	40	14.3%	8.2
171	Scott	188	0.9	4.9	126	67.0%	0.5	46	24.5%	1.3	15	8.0%	1.9	1	0.5%	8.7
173	Shelby	375	2.4	4.4	49	13.1%	0.6	81	21.6%	1.9	216	57.6%	2.6	29	7.7%	4.9
175	Stark	266	0.8	3.8	162	60.9%	0.5	90	33.8%	1.3	14	5.3%	1.4	0	0.0%	0
177	Stephenson	164	1.4	5.1	84	51.2%	0.6	65	39.6%	1.9	9	5.5%	2.5	6	3.7%	4.7
179	Tazewell	176	1.1	4	77	43.8%	0.7	74	42.0%	1.1	19	10.8%	1.9	6	3.4%	3.4
181	Union	82	6.6	19.5	55	67.1%	4.7	0	0.0%	0	5	6.1%	6.1	22	26.8%	11.4
183	Vermilion	233	0.9	2.4	76	32.6%	0.3	83	35.6%	0.7	58	24.9%	1.3	16	6.9%	2.8
185	Wabash	218	1.6	5.9	107	49.1%	0.7	77	35.3%	1.9	24	11.0%	3	10	4.6%	4.6
187	Warren	179	0.8	4.4	133	74.3%	0.6	44	24.6%	1.7	2	1.1%	1.3	0	0.0%	0
189	Washington	391	3.7	4.3	20	5.1%	0.6	23	5.9%	1.1	33	8.4%	2.1	315	80.6%	4.2
191	Wayne	209	1.4	4.2	104	49.8%	0.5	56	26.8%	1.2	17	8.1%	2	32	15.3%	4.7
193	White	219	0.9	5.7	163	74.4%	0.7	25	11.4%	1.6	22	10.0%	1.8	9	4.1%	2.4
195	Whiteside	125	1.6	4.8	55	44.0%	1.1	33	26.4%	1.3	22	17.6%	2.3	15	12.0%	2.7
197	Will	178	0.6	1.7	91	51.1%	0.3	64	36.0%	0.5	18	10.1%	1	5	2.8%	5.1
199	Williamson	93	4	8.3	36	38.7%	1.8	0	0.0%	0	27	29.0%	5.2	30	32.3%	5.7
201	Winnebago	226	1.1	4.1	124	54.9%	0.5	62	27.4%	1.3	36	15.9%	2	4	1.8%	5.8
203	Woodford	188	1.1	2.7	71	37.8%	0.3	38	20.2%	0.7	47	25.0%	1.4	32	17.0%	2.9
	Total	20111	1.74	4.97	7396	39.7%	0.757	6551	31.0%	1.374	3575	16.9%	2.343	2589	13.5%	4.302