

Table 41. Land Use Practices: 2017 and 2012

[For meaning of abbreviations and symbols, see introductory text.]

Item	Iowa	Adair	Adams	Allamakee	Appanoose
Land drained by tile					
farms, 2017	39,989	424	267	134	79
2012	40,926	408	218	135	69
acres, 2017	14,107,098	164,414	100,575	18,508	9,322
2012	12,631,135	130,104	66,446	16,077	9,406
Average per farm	353	388	377	138	118
acres, 2017					
2012	309	319	305	119	136
Land artificially drained by ditches					
farms, 2017	9,521	105	67	60	72
2012	10,084	99	81	41	68
acres, 2017	1,702,432	10,915	12,086	5,692	10,258
2012	1,669,073	16,923	15,257	5,283	8,018
Average per farm	179	104	180	95	142
acres, 2017					
2012	166	171	188	129	118
Land under conservation easement					
farms, 2017	2,416	33	11	36	10
2012	3,301	31	11	39	26
acres, 2017	210,270	2,372	788	3,113	528
2012	332,222	6,167	586	3,800	2,271
Average per farm	87	72	72	86	53
acres, 2017					
2012	101	199	53	97	87
Cropland on which no-till practices were used					
farms, 2017	24,025	382	201	214	106
2012	22,621	386	203	159	140
acres, 2017	8,196,199	170,139	98,593	49,187	28,538
2012	6,950,836	156,335	88,032	29,370	24,767
Average per farm	341	445	491	230	269
acres, 2017					
2012	307	405	434	185	177
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	26,532	150	107	272	101
2012	24,911	172	124	281	95
acres, 2017	10,132,599	28,177	26,341	56,177	18,871
2012	8,760,348	43,377	34,179	63,205	19,691
Average per farm	382	188	246	207	187
acres, 2017					
2012	352	252	276	225	207
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	15,159	32	26	144	55
2012	25,559	81	70	244	103
acres, 2017	5,018,129	3,260	2,727	20,595	8,060
2012	7,882,556	7,645	8,223	38,800	20,961
Average per farm	331	102	105	143	147
acres, 2017					
2012	308	94	117	159	204
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	8,729	83	60	102	33
2012	7,195	72	40	149	57
acres, 2017	973,112	8,669	6,661	11,364	1,824
2012	379,614	5,154	3,060	6,963	6,123
Average per farm	111	104	111	111	55
acres, 2017					
2012	53	72	77	47	107

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Audubon	Benton	Black Hawk	Boone	Bremer
Land drained by tile					
farms, 2017	297	695	533	497	580
2012	318	696	520	466	599
acres, 2017	116,540	310,129	200,020	202,657	197,464
2012	108,992	261,643	171,305	197,248	180,197
Average per farm					
acres, 2017	392	446	375	408	340
2012	343	376	329	423	301
Land artificially drained by ditches					
farms, 2017	70	91	70	78	49
2012	99	102	80	71	45
acres, 2017	13,628	8,283	11,008	8,242	2,235
2012	17,489	12,111	6,880	7,329	3,283
Average per farm					
acres, 2017	195	91	157	106	46
2012	177	119	86	103	73
Land under conservation easement					
farms, 2017	23	23	37	33	31
2012	59	35	26	25	44
acres, 2017	3,477	1,276	1,027	1,220	1,341
2012	12,735	2,518	1,164	1,056	1,825
Average per farm					
acres, 2017	151	55	28	37	43
2012	216	72	45	42	41
Cropland on which no-till practices were used					
farms, 2017	268	370	235	97	174
2012	292	393	252	83	158
acres, 2017	186,688	130,595	76,687	17,939	40,413
2012	170,353	123,087	73,084	11,985	37,787
Average per farm					
acres, 2017	697	353	326	185	232
2012	583	313	290	144	239
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	112	464	347	270	313
2012	151	445	363	193	312
acres, 2017	20,310	171,057	149,217	149,273	121,181
2012	45,355	160,927	121,984	103,009	110,205
Average per farm					
acres, 2017	181	369	430	553	387
2012	300	362	336	534	353
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	16	158	161	230	225
2012	65	263	290	350	363
acres, 2017	8,196	50,065	32,584	102,095	60,143
2012	11,233	71,623	67,517	152,007	79,192
Average per farm					
acres, 2017	512	317	202	444	267
2012	173	272	233	434	218
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	75	154	120	58	61
2012	53	113	77	46	96
acres, 2017	12,387	21,574	18,032	6,476	6,161
2012	2,116	12,498	2,908	3,510	3,481
Average per farm					
acres, 2017	165	140	150	112	101
2012	40	111	38	76	36

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Buchanan	Buena Vista	Butler	Calhoun	Carroll
Land drained by tile					
farms, 2017	682	571	514	538	611
2012	678	544	567	503	660
acres, 2017	250,195	259,662	202,636	255,549	190,008
2012	217,203	227,353	177,911	233,030	175,562
Average per farm					
acres, 2017	367	455	394	475	311
2012	320	418	314	463	266
Land artificially drained by ditches					
farms, 2017	54	65	91	56	117
2012	48	77	71	79	151
acres, 2017	6,484	15,303	9,884	18,561	21,837
2012	1,463	12,831	8,593	17,689	18,836
Average per farm					
acres, 2017	120	235	109	331	187
2012	30	167	121	224	125
Land under conservation easement					
farms, 2017	10	19	28	37	54
2012	28	43	53	44	61
acres, 2017	505	1,812	1,533	1,616	5,465
2012	3,382	2,756	4,676	3,825	7,529
Average per farm					
acres, 2017	51	95	55	44	101
2012	121	64	88	87	123
Cropland on which no-till practices were used					
farms, 2017	295	176	275	79	392
2012	266	143	308	42	307
acres, 2017	75,081	50,993	85,178	15,019	96,243
2012	79,244	34,912	66,603	10,711	75,792
Average per farm					
acres, 2017	255	290	310	190	246
2012	298	244	216	255	247
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	406	369	347	325	414
2012	382	282	350	228	387
acres, 2017	144,053	175,108	161,081	183,403	157,734
2012	126,044	134,537	123,231	112,597	129,530
Average per farm					
acres, 2017	355	475	464	564	381
2012	330	477	352	494	335
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	204	211	160	237	141
2012	385	367	354	361	362
acres, 2017	70,449	93,514	59,464	113,361	41,496
2012	97,322	152,052	119,674	192,820	103,660
Average per farm					
acres, 2017	345	443	372	478	294
2012	253	414	338	534	286
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	103	72	108	74	110
2012	109	34	88	38	80
acres, 2017	10,886	11,942	13,656	8,384	10,489
2012	5,937	2,697	3,343	1,481	3,751
Average per farm					
acres, 2017	106	166	126	113	95
2012	54	79	38	39	47

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Cass	Cedar	Cerro Gordo	Cherokee	Chickasaw
Land drained by tile					
farms, 2017	318	460	436	527	647
2012	329	460	428	454	653
acres, 2017	92,908	188,018	194,675	147,132	207,386
2012	77,681	152,826	187,091	125,918	204,102
Average per farm	acres, 2017	292	409	447	321
	2012	236	332	437	313
Land artificially drained by ditches	farms, 2017	90	76	52	50
	2012	126	87	64	45
acres, 2017	20,424	7,665	3,922	5,732	2,080
2012	23,011	7,198	7,411	6,781	2,114
Average per farm	acres, 2017	227	101	75	42
	2012	183	83	116	47
Land under conservation easement	farms, 2017	17	22	23	38
	2012	37	11	15	47
acres, 2017	2,210	639	689	1,629	874
2012	4,527	606	643	819	6,714
Average per farm	acres, 2017	130	29	30	23
	2012	122	55	43	143
Cropland on which no-till practices were used	farms, 2017	316	323	126	215
	2012	331	320	90	187
acres, 2017	166,127	115,145	39,105	76,360	49,508
2012	143,582	105,912	29,508	61,676	38,392
Average per farm	acres, 2017	526	356	310	230
	2012	434	331	328	205
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	149	325	247	407
	2012	211	314	206	316
acres, 2017	37,268	118,748	145,508	146,601	127,919
2012	52,829	92,887	116,422	116,328	103,405
Average per farm	acres, 2017	250	365	589	349
	2012	250	296	565	315
Cropland on which intensive tillage practices were used (see text)	farms, 2017	42	137	261	192
	2012	96	193	318	302
acres, 2017	5,970	54,980	102,065	57,302	69,927
2012	13,793	56,053	145,391	103,084	109,108
Average per farm	acres, 2017	142	401	391	298
	2012	144	290	457	341
Cropland planted to a cover crop (excluding CRP)	farms, 2017	84	110	19	70
	2012	65	67	40	58
acres, 2017	6,678	19,053	1,837	7,300	9,641
2012	2,546	1,995	1,003	2,524	3,343
Average per farm	acres, 2017	80	173	97	104
	2012	39	30	25	44

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Clarke	Clay	Clayton	Clinton	Crawford
Land drained by tile					
farms, 2017	90	388	448	585	326
2012	75	409	494	642	282
acres, 2017	7,461	207,969	95,712	187,346	75,225
2012	11,926	188,846	97,563	187,133	52,476
Average per farm					
acres, 2017	83	536	214	320	231
2012	159	462	197	291	186
Land artificially drained by ditches					
farms, 2017	75	57	118	181	145
2012	77	49	128	200	90
acres, 2017	18,144	10,068	14,453	27,349	37,396
2012	7,346	4,538	13,098	33,378	18,273
Average per farm					
acres, 2017	242	177	122	151	258
2012	95	93	102	167	203
Land under conservation easement					
farms, 2017	15	18	52	26	20
2012	15	38	83	37	25
acres, 2017	165	3,342	5,591	3,244	6,048
2012	1,255	1,177	13,055	2,986	4,174
Average per farm					
acres, 2017	11	186	108	125	302
2012	84	31	157	81	167
Cropland on which no-till practices were used					
farms, 2017	155	180	383	425	411
2012	152	178	320	490	416
acres, 2017	32,065	63,319	108,755	149,455	242,272
2012	34,715	61,152	82,559	136,358	225,696
Average per farm					
acres, 2017	207	352	284	352	589
2012	228	344	258	278	543
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	83	279	388	446	290
2012	106	200	440	470	300
acres, 2017	13,370	139,115	83,080	128,711	91,794
2012	18,345	90,948	97,345	139,158	118,231
Average per farm					
acres, 2017	161	499	214	289	317
2012	173	455	221	296	394
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	18	150	269	194	58
2012	64	291	404	351	164
acres, 2017	1,400	78,545	39,860	46,696	18,707
2012	5,052	125,201	48,317	71,139	40,112
Average per farm					
acres, 2017	78	524	148	241	323
2012	79	430	120	203	245
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	53	48	199	124	121
2012	68	22	189	124	68
acres, 2017	3,084	5,739	23,102	9,944	14,985
2012	1,906	839	7,246	5,104	4,948
Average per farm					
acres, 2017	58	120	116	80	124
2012	28	38	38	41	73

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Dallas	Davis	Decatur	Delaware	Des Moines
Land drained by tile					
farms, 2017	452	97	111	768	245
2012	459	114	73	836	284
acres, 2017	189,990	12,454	13,365	208,031	70,073
2012	180,526	8,796	10,795	205,633	76,179
Average per farm	acres, 2017	420	128	120	286
	2012	393	77	148	268
Land artificially drained by ditches	farms, 2017	113	108	123	102
	2012	132	126	89	100
acres, 2017	13,445	16,313	26,083	6,905	13,505
2012	10,996	16,108	14,354	8,904	15,607
Average per farm	acres, 2017	119	151	212	132
	2012	83	128	161	156
Land under conservation easement	farms, 2017	33	19	16	38
	2012	33	35	25	64
acres, 2017	1,732	1,536	2,346	2,170	497
2012	1,487	2,327	2,794	3,964	2,794
Average per farm	acres, 2017	52	81	147	57
	2012	45	66	112	62
Cropland on which no-till practices were used	farms, 2017	221	161	160	231
	2012	176	175	178	215
acres, 2017	51,387	27,646	45,829	49,324	36,053
2012	47,218	25,290	36,747	39,086	29,630
Average per farm	acres, 2017	233	172	286	214
	2012	268	145	206	182
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	262	164	75	574
	2012	252	167	96	459
acres, 2017	118,307	41,113	20,025	159,352	62,079
2012	94,228	44,794	17,293	129,978	54,719
Average per farm	acres, 2017	452	251	267	278
	2012	374	268	180	283
Cropland on which intensive tillage practices were used (see text)	farms, 2017	163	82	51	366
	2012	271	194	84	553
acres, 2017	67,674	5,050	11,503	76,765	30,630
2012	109,625	15,637	18,963	118,110	39,670
Average per farm	acres, 2017	415	62	226	210
	2012	405	81	226	214
Cropland planted to a cover crop (excluding CRP)	farms, 2017	82	140	43	197
	2012	82	116	41	186
acres, 2017	4,704	10,027	6,218	11,995	4,699
2012	3,373	5,581	2,258	7,821	950
Average per farm	acres, 2017	57	72	145	61
	2012	41	48	55	42

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Dickinson	Dubuque	Emmet	Fayette	Floyd
Land drained by tile					
farms, 2017	238	562	338	683	519
2012	251	562	300	685	527
acres, 2017	117,663	89,380	177,304	223,050	204,588
2012	101,830	78,608	140,205	189,531	179,767
Average per farm	494	159	525	327	394
acres, 2017					
2012	406	135	467	277	341
Land artificially drained by ditches					
farms, 2017	41	164	50	71	41
2012	56	146	51	65	54
acres, 2017	12,182	18,363	16,025	6,572	2,287
2012	7,588	13,069	14,482	4,852	4,380
Average per farm	297	112	321	93	56
acres, 2017					
2012	136	90	284	75	81
Land under conservation easement					
farms, 2017	8	22	14	36	27
2012	12	52	16	69	53
acres, 2017	546	1,941	1,402	1,702	514
2012	1,002	9,726	1,538	2,744	3,073
Average per farm	68	88	100	47	19
acres, 2017					
2012	84	187	96	40	58
Cropland on which no-till practices were used					
farms, 2017	62	378	67	314	230
2012	80	317	38	269	194
acres, 2017	13,687	82,117	13,536	75,761	60,645
2012	19,571	36,408	9,603	64,738	56,940
Average per farm	221	217	202	241	264
acres, 2017					
2012	245	115	253	241	294
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	171	513	228	446	305
2012	121	526	157	404	243
acres, 2017	97,079	92,590	134,978	149,674	112,982
2012	52,262	85,458	85,022	129,060	102,739
Average per farm	568	180	592	336	370
acres, 2017					
2012	432	162	542	319	423
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	102	305	110	235	242
2012	182	421	196	366	352
acres, 2017	54,527	30,651	50,988	66,071	85,842
2012	91,075	51,202	98,096	98,347	110,215
Average per farm	535	100	464	281	355
acres, 2017					
2012	500	122	500	269	313
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	25	221	23	121	117
2012	16	278	14	116	55
acres, 2017	3,377	15,779	4,118	14,624	11,858
2012	1,182	12,719	523	4,243	1,581
Average per farm	135	71	179	121	101
acres, 2017					
2012	74	46	37	37	29

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Franklin	Fremont	Greene	Grundy	Guthrie
Land drained by tile					
farms, 2017	469	134	438	486	357
2012	468	116	478	473	383
acres, 2017	240,948	31,728	254,627	243,791	126,476
2012	210,051	30,529	230,712	212,691	114,022
Average per farm	acres, 2017	514	237	581	354
	2012	449	263	483	298
Land artificially drained by ditches	farms, 2017	46	96	37	116
	2012	65	101	43	134
acres, 2017	11,046	47,953	9,938	3,874	20,466
2012	14,995	49,550	14,550	4,448	17,881
Average per farm	acres, 2017	240	500	144	176
	2012	231	491	173	133
Land under conservation easement	farms, 2017	20	19	19	17
	2012	19	14	32	23
acres, 2017	1,354	3,195	1,011	1,123	1,879
2012	2,129	4,914	1,172	2,374	2,109
Average per farm	acres, 2017	68	168	35	111
	2012	112	351	37	92
Cropland on which no-till practices were used	farms, 2017	171	256	117	218
	2012	155	252	99	179
acres, 2017	46,623	129,532	39,613	75,734	142,938
2012	37,900	151,822	21,287	48,249	91,338
Average per farm	acres, 2017	273	506	339	495
	2012	245	602	215	343
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	300	122	235	318
	2012	242	89	217	263
acres, 2017	169,923	53,096	131,866	161,693	48,495
2012	125,358	41,939	118,385	122,600	73,357
Average per farm	acres, 2017	566	435	561	508
	2012	518	471	546	466
Cropland on which intensive tillage practices were used (see text)	farms, 2017	196	86	232	119
	2012	357	88	344	241
acres, 2017	97,882	48,121	135,057	50,178	24,184
2012	160,182	46,348	172,327	121,560	60,003
Average per farm	acres, 2017	499	560	582	422
	2012	449	527	501	504
Cropland planted to a cover crop (excluding CRP)	farms, 2017	47	41	63	84
	2012	36	22	26	47
acres, 2017	8,360	8,171	10,573	21,788	10,548
2012	1,288	707	3,100	3,422	5,225
Average per farm	acres, 2017	178	199	168	259
	2012	36	32	119	73

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Hamilton	Hancock	Hardin	Harrison	Henry
Land drained by tile					
farms, 2017	428	513	522	140	343
2012	431	583	497	150	309
acres, 2017	230,856	261,607	250,862	12,491	89,370
2012	212,115	228,457	215,696	15,276	81,445
Average per farm					
acres, 2017	539	510	481	89	261
2012	492	392	434	102	264
Land artificially drained by ditches					
farms, 2017	60	62	69	124	140
2012	68	108	77	152	126
acres, 2017	28,328	30,459	11,683	60,519	18,442
2012	35,018	35,961	15,542	81,265	15,878
Average per farm					
acres, 2017	472	491	169	488	132
2012	515	333	202	535	126
Land under conservation easement					
farms, 2017	20	23	16	18	18
2012	23	33	20	25	33
acres, 2017	1,642	1,716	346	5,027	800
2012	1,524	1,775	1,922	5,618	3,757
Average per farm					
acres, 2017	82	75	22	279	44
2012	66	54	96	225	114
Cropland on which no-till practices were used					
farms, 2017	82	84	170	344	260
2012	70	70	145	327	218
acres, 2017	30,275	20,689	46,984	173,120	56,912
2012	22,756	18,721	36,942	159,097	46,945
Average per farm					
acres, 2017	369	246	276	503	219
2012	325	267	255	487	215
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	217	264	312	198	250
2012	176	255	297	216	206
acres, 2017	141,778	155,520	148,482	101,129	80,984
2012	114,644	121,254	138,393	83,993	82,488
Average per farm					
acres, 2017	653	589	476	511	324
2012	651	476	466	389	400
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	206	301	182	94	146
2012	306	437	262	199	235
acres, 2017	110,757	140,708	96,935	36,616	39,187
2012	154,250	180,812	114,232	79,615	56,221
Average per farm					
acres, 2017	538	467	533	390	268
2012	504	414	436	400	239
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	34	29	66	59	89
2012	30	47	40	44	88
acres, 2017	2,937	2,915	6,391	5,866	9,919
2012	2,028	5,089	812	1,726	4,964
Average per farm					
acres, 2017	86	101	97	99	111
2012	68	108	20	39	56

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Howard	Humboldt	Ida	Iowa	Jackson
Land drained by tile					
farms, 2017	509	342	224	521	227
2012	539	337	238	561	293
acres, 2017	186,607	165,019	78,507	166,420	36,908
2012	168,864	147,548	72,139	148,912	33,620
Average per farm	acres, 2017	367	483	350	163
	2012	313	438	303	115
Land artificially drained by ditches	farms, 2017	30	49	52	156
	2012	52	52	49	170
acres, 2017	1,455	14,725	5,961	26,275	35,277
2012	5,845	16,992	9,889	19,283	23,658
Average per farm	acres, 2017	49	301	115	226
	2012	112	327	202	139
Land under conservation easement	farms, 2017	28	12	10	23
	2012	34	12	21	36
acres, 2017	1,849	761	8,610	1,930	2,437
2012	2,075	650	11,359	5,552	2,341
Average per farm	acres, 2017	66	63	861	135
	2012	61	54	541	69
Cropland on which no-till practices were used	farms, 2017	160	31	167	352
	2012	131	35	137	320
acres, 2017	52,571	7,941	95,759	116,876	95,035
2012	44,844	6,950	72,162	83,195	70,252
Average per farm	acres, 2017	329	256	573	332
	2012	342	199	527	260
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	315	193	195	276
	2012	283	128	200	289
acres, 2017	149,285	112,156	97,139	97,393	58,138
2012	124,608	70,409	93,965	109,274	62,676
Average per farm	acres, 2017	474	581	498	353
	2012	440	550	470	378
Cropland on which intensive tillage practices were used (see text)	farms, 2017	150	230	72	106
	2012	288	277	133	204
acres, 2017	43,233	95,961	32,329	19,318	12,687
2012	77,234	133,611	54,463	37,870	28,172
Average per farm	acres, 2017	288	417	449	182
	2012	268	482	409	186
Cropland planted to a cover crop (excluding CRP)	farms, 2017	97	34	45	156
	2012	86	18	23	110
acres, 2017	14,203	7,641	2,863	23,528	11,978
2012	4,010	543	658	5,427	6,712
Average per farm	acres, 2017	146	225	64	151
	2012	47	30	29	49

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Jasper	Jefferson	Johnson	Jones	Keokuk
Land drained by tile					
farms, 2017	532	188	639	510	489
2012	605	208	697	486	465
acres, 2017	196,382	63,600	148,546	157,821	158,105
2012	194,108	39,651	149,823	130,882	108,903
Average per farm	369	338	232	309	323
acres, 2017					
2012	321	191	215	269	234
Land artificially drained by ditches					
farms, 2017	148	98	169	114	159
2012	158	83	200	137	159
acres, 2017	18,907	12,957	13,811	14,333	35,621
2012	19,391	7,139	20,690	15,000	18,535
Average per farm	128	132	82	126	224
acres, 2017					
2012	123	86	103	109	117
Land under conservation easement					
farms, 2017	31	23	26	33	21
2012	36	28	35	50	35
acres, 2017	3,278	1,104	1,113	5,665	1,650
2012	10,427	1,558	4,378	5,276	3,089
Average per farm	106	48	43	172	79
acres, 2017					
2012	290	56	125	106	88
Cropland on which no-till practices were used					
farms, 2017	448	184	457	323	364
2012	494	156	460	316	282
acres, 2017	183,816	69,723	132,098	84,041	111,977
2012	169,164	42,741	112,511	61,037	63,532
Average per farm	410	379	289	260	308
acres, 2017					
2012	342	274	245	193	225
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	299	113	306	432	282
2012	364	149	359	394	287
acres, 2017	90,822	47,804	78,356	132,018	73,450
2012	97,365	46,462	98,822	109,774	73,961
Average per farm	304	423	256	306	260
acres, 2017					
2012	267	312	275	279	258
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	69	61	168	164	105
2012	166	134	262	275	232
acres, 2017	16,536	18,169	19,153	32,111	22,717
2012	31,457	30,494	34,124	54,566	51,951
Average per farm	240	298	114	196	216
acres, 2017					
2012	190	228	130	198	224
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	130	89	227	134	176
2012	83	94	178	131	89
acres, 2017	16,510	17,224	21,561	7,230	24,317
2012	6,137	4,011	7,124	5,007	4,316
Average per farm	127	194	95	54	138
acres, 2017					
2012	74	43	40	38	48

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Kossuth	Lee	Linn	Louisa	Lucas
Land drained by tile					
farms, 2017	878	183	664	234	70
2012	887	211	636	229	75
acres, 2017	433,407	27,821	194,518	68,669	6,852
2012	403,728	27,939	157,211	52,206	8,454
Average per farm	494	152	293	293	98
acres, 2017					
2012	455	132	247	228	113
Land artificially drained by ditches					
farms, 2017	97	109	119	84	72
2012	124	138	113	116	77
acres, 2017	43,382	11,059	6,339	28,672	10,546
2012	37,144	19,676	5,420	17,474	13,115
Average per farm	447	101	53	341	146
acres, 2017					
2012	300	143	48	151	170
Land under conservation easement					
farms, 2017	26	25	38	15	23
2012	34	27	47	31	29
acres, 2017	573	1,602	1,859	380	1,696
2012	1,338	2,223	2,025	3,517	1,239
Average per farm	22	64	49	25	74
acres, 2017					
2012	39	82	43	113	43
Cropland on which no-till practices were used					
farms, 2017	96	220	371	183	140
2012	87	209	356	187	173
acres, 2017	18,600	38,677	81,942	55,854	37,428
2012	17,776	34,482	72,448	42,815	32,757
Average per farm	194	176	221	305	267
acres, 2017					
2012	204	165	204	229	189
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	442	246	426	157	81
2012	309	222	389	136	81
acres, 2017	279,907	70,704	128,345	60,985	13,198
2012	156,874	61,953	126,335	40,248	11,564
Average per farm	633	287	301	388	163
acres, 2017					
2012	508	279	325	296	143
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	522	151	222	84	21
2012	746	269	364	146	98
acres, 2017	236,334	26,849	44,135	30,291	2,646
2012	372,931	45,369	69,502	39,563	7,966
Average per farm	453	178	199	361	126
acres, 2017					
2012	500	169	191	271	81
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	59	82	155	83	38
2012	57	76	123	46	54
acres, 2017	8,885	5,306	14,745	16,072	5,061
2012	2,987	3,996	4,187	4,264	1,487
Average per farm	151	65	95	194	133
acres, 2017					
2012	52	53	34	93	28

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Lyon	Madison	Mahaska	Marion	Marshall
Land drained by tile					
farms, 2017	618	313	498	413	491
2012	587	351	544	381	506
acres, 2017	146,836	87,362	154,887	96,606	195,764
2012	121,331	73,756	142,383	73,068	179,156
Average per farm					
acres, 2017	238	279	311	234	399
2012	207	210	262	192	354
Land artificially drained by ditches					
farms, 2017	111	123	143	181	88
2012	113	125	177	161	116
acres, 2017	17,425	16,353	13,146	18,531	8,131
2012	15,083	18,522	20,158	16,728	14,523
Average per farm					
acres, 2017	157	133	92	102	92
2012	133	148	114	104	125
Land under conservation easement					
farms, 2017	21	28	35	38	19
2012	26	45	28	53	20
acres, 2017	4,026	4,356	3,890	2,067	459
2012	3,184	6,269	2,620	5,150	1,400
Average per farm					
acres, 2017	192	156	111	54	24
2012	122	139	94	97	70
Cropland on which no-till practices were used					
farms, 2017	299	277	344	345	347
2012	196	286	334	335	348
acres, 2017	66,480	77,185	86,273	102,551	137,126
2012	35,874	65,115	76,649	94,300	122,524
Average per farm					
acres, 2017	222	279	251	297	395
2012	183	228	229	281	352
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	461	163	332	195	295
2012	371	201	361	166	267
acres, 2017	146,956	50,157	99,872	35,129	118,821
2012	137,159	45,635	112,295	38,477	93,014
Average per farm					
acres, 2017	319	308	301	180	403
2012	370	227	311	232	348
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	349	69	113	86	78
2012	544	173	226	153	179
acres, 2017	93,967	8,764	34,895	12,212	11,334
2012	146,439	29,750	48,563	29,085	44,895
Average per farm					
acres, 2017	269	127	309	142	145
2012	269	172	215	190	251
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	143	89	94	120	92
2012	100	77	79	89	50
acres, 2017	14,971	4,905	10,011	8,941	15,100
2012	7,011	1,738	3,427	4,622	1,359
Average per farm					
acres, 2017	105	55	107	75	164
2012	70	23	43	52	27

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Mills	Mitchell	Monona	Monroe	Montgomery
Land drained by tile					
farms, 2017	125	490	52	109	282
2012	142	537	43	122	269
acres, 2017	15,776	178,527	4,504	14,392	94,604
2012	19,716	162,433	7,006	13,801	92,602
Average per farm					
acres, 2017	126	364	87	132	335
2012	139	302	163	113	344
Land artificially drained by ditches					
farms, 2017	71	39	135	91	77
2012	79	47	110	86	90
acres, 2017	10,847	2,097	71,699	13,610	16,116
2012	17,264	5,947	65,294	8,242	14,913
Average per farm					
acres, 2017	153	54	531	150	209
2012	219	127	594	96	166
Land under conservation easement					
farms, 2017	13	19	37	18	18
2012	27	26	16	12	26
acres, 2017	245	536	2,068	1,375	5,981
2012	5,107	793	810	480	3,198
Average per farm					
acres, 2017	19	28	56	76	332
2012	189	31	51	40	123
Cropland on which no-till practices were used					
farms, 2017	215	145	193	190	309
2012	234	157	167	203	296
acres, 2017	135,090	40,228	117,181	35,016	141,925
2012	124,680	38,557	81,920	41,632	135,444
Average per farm					
acres, 2017	628	277	607	184	459
2012	533	246	491	205	458
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	95	305	165	123	149
2012	115	279	139	110	134
acres, 2017	32,666	120,719	61,397	19,501	38,256
2012	24,757	109,556	48,185	19,771	43,543
Average per farm					
acres, 2017	344	396	372	159	257
2012	215	393	347	180	325
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	57	264	129	38	35
2012	60	404	198	77	65
acres, 2017	9,082	89,156	88,075	5,653	5,065
2012	21,969	109,041	159,324	9,352	10,239
Average per farm					
acres, 2017	159	338	683	149	145
2012	366	270	800	121	158
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	39	88	49	62	67
2012	26	94	32	41	34
acres, 2017	6,361	13,101	4,778	4,049	5,492
2012	1,214	3,151	3,665	1,671	1,586
Average per farm					
acres, 2017	163	149	98	65	82
2012	47	34	115	41	47

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Muscatine	O'Brien	Osceola	Page	Palo Alto
Land drained by tile					
farms, 2017	282	598	326	404	469
2012	306	602	362	399	490
acres, 2017	81,152	190,254	124,712	147,224	238,326
2012	68,068	186,093	135,082	124,761	222,247
Average per farm	288	318	383	364	508
acres, 2017					
2012	222	309	373	313	454
Land artificially drained by ditches					
farms, 2017	127	86	38	149	72
2012	115	59	60	151	76
acres, 2017	18,279	13,132	6,925	24,853	22,570
2012	11,046	8,776	7,258	23,116	15,589
Average per farm	144	153	182	167	313
acres, 2017					
2012	96	149	121	153	205
Land under conservation easement					
farms, 2017	21	10	9	17	18
2012	30	29	23	29	38
acres, 2017	1,155	1,344	205	1,733	1,324
2012	2,497	754	1,071	2,773	1,990
Average per farm	55	134	23	102	74
acres, 2017					
2012	83	26	47	96	52
Cropland on which no-till practices were used					
farms, 2017	240	186	78	422	57
2012	247	132	78	404	66
acres, 2017	79,986	50,017	23,466	184,864	10,455
2012	64,474	37,572	28,718	156,699	15,961
Average per farm	333	269	301	438	183
acres, 2017					
2012	261	285	368	388	242
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	222	380	231	199	262
2012	216	245	156	241	194
acres, 2017	70,556	140,170	114,280	53,214	154,804
2012	65,273	87,194	86,707	61,130	107,303
Average per farm	318	369	495	267	591
acres, 2017					
2012	302	356	556	254	553
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	75	302	189	39	266
2012	187	460	241	100	405
acres, 2017	17,467	92,864	77,416	7,376	142,203
2012	35,256	144,316	97,965	16,940	198,871
Average per farm	233	307	410	189	535
acres, 2017					
2012	189	314	406	169	491
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	83	44	44	111	42
2012	58	33	35	62	44
acres, 2017	10,169	3,229	5,756	11,933	3,777
2012	5,998	2,436	2,350	3,356	4,923
Average per farm	123	73	131	108	90
acres, 2017					
2012	103	74	67	54	112

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Plymouth	Pocahontas	Polk	Pottawattamie	Poweshiek
Land drained by tile					
farms, 2017	460	507	306	373	506
2012	480	514	305	427	526
acres, 2017	86,383	257,159	99,075	70,528	188,233
2012	81,846	233,367	97,077	69,130	165,115
Average per farm	acres, 2017	188	507	324	372
	2012	171	454	318	314
Land artificially drained by ditches	farms, 2017	122	82	163	131
	2012	119	93	113	132
acres, 2017	22,779	30,844	7,507	36,452	22,654
2012	16,127	30,643	9,314	44,382	16,676
Average per farm	acres, 2017	187	376	86	173
	2012	136	329	82	126
Land under conservation easement	farms, 2017	31	17	11	15
	2012	64	36	25	27
acres, 2017	2,473	271	280	3,044	3,292
2012	6,747	3,549	1,733	8,452	5,540
Average per farm	acres, 2017	80	16	25	219
	2012	105	99	69	205
Cropland on which no-till practices were used	farms, 2017	472	68	202	352
	2012	334	66	169	349
acres, 2017	158,463	26,861	43,679	345,102	131,280
2012	95,847	16,471	39,389	364,032	105,678
Average per farm	acres, 2017	336	395	216	373
	2012	287	250	233	303
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	578	257	186	324
	2012	536	234	171	315
acres, 2017	217,899	140,687	77,302	85,884	94,972
2012	210,560	129,287	86,523	66,017	94,638
Average per farm	acres, 2017	377	547	416	293
	2012	393	553	506	300
Cropland on which intensive tillage practices were used (see text)	farms, 2017	181	290	127	61
	2012	428	364	186	150
acres, 2017	51,397	140,454	38,137	10,837	24,025
2012	148,377	160,141	40,598	30,194	48,098
Average per farm	acres, 2017	284	484	300	178
	2012	347	440	218	201
Cropland planted to a cover crop (excluding CRP)	farms, 2017	115	45	65	158
	2012	59	53	48	93
acres, 2017	15,127	8,546	8,280	13,711	10,447
2012	3,011	6,807	2,266	4,239	5,364
Average per farm	acres, 2017	132	190	127	87
	2012	51	128	47	46

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Ringgold	Sac	Scott	Shelby	Sioux
Land drained by tile					
farms, 2017	188	543	341	392	822
2012	201	521	425	391	846
acres, 2017	42,384	209,990	122,206	73,091	172,834
2012	38,988	203,843	118,773	66,790	157,896
Average per farm					
acres, 2017	225	387	358	186	210
2012	194	391	279	171	187
Land artificially drained by ditches					
farms, 2017	121	90	68	143	141
2012	114	90	98	130	139
acres, 2017	24,316	11,464	11,147	24,638	13,241
2012	26,658	9,943	7,014	20,157	11,563
Average per farm					
acres, 2017	201	127	164	172	94
2012	234	110	72	155	83
Land under conservation easement					
farms, 2017	26	36	17	32	26
2012	30	27	33	50	42
acres, 2017	3,942	1,832	1,661	6,272	3,806
2012	5,440	1,088	4,558	4,527	1,761
Average per farm					
acres, 2017	152	51	98	196	146
2012	181	40	138	91	42
Cropland on which no-till practices were used					
farms, 2017	208	184	264	537	359
2012	264	168	273	532	169
acres, 2017	81,109	64,696	79,560	264,634	89,870
2012	72,548	49,151	62,217	229,756	41,327
Average per farm					
acres, 2017	390	352	301	493	250
2012	275	293	228	432	245
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	79	348	266	211	616
2012	100	281	274	310	478
acres, 2017	16,301	166,346	86,605	46,905	211,087
2012	18,109	111,227	88,254	74,821	156,780
Average per farm					
acres, 2017	206	478	326	222	343
2012	181	396	322	241	328
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	40	208	125	49	553
2012	75	380	208	149	758
acres, 2017	6,443	81,855	20,527	6,438	132,188
2012	16,926	158,055	40,280	23,752	226,956
Average per farm					
acres, 2017	161	394	164	131	239
2012	226	416	194	159	299
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	48	87	63	89	152
2012	36	81	59	54	105
acres, 2017	2,297	9,275	7,004	7,979	16,473
2012	2,078	4,692	3,284	4,851	8,849
Average per farm					
acres, 2017	48	107	111	90	108
2012	58	58	56	90	84

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Story	Tama	Taylor	Union	Van Buren
Land drained by tile					
farms, 2017	486	552	316	259	117
2012	546	604	288	230	114
acres, 2017	209,445	217,825	108,557	86,556	16,494
2012	190,993	200,674	90,058	58,279	14,245
Average per farm	acres, 2017	431	395	344	334
	2012	350	332	313	253
Land artificially drained by ditches	farms, 2017	108	105	131	91
	2012	105	114	112	92
acres, 2017	11,646	13,617	24,679	14,338	9,304
2012	12,684	13,650	29,587	10,699	9,080
Average per farm	acres, 2017	108	130	188	158
	2012	121	120	264	116
Land under conservation easement	farms, 2017	23	24	22	21
	2012	27	32	15	16
acres, 2017	1,121	1,737	3,246	1,824	2,400
2012	3,096	992	2,228	1,112	2,244
Average per farm	acres, 2017	49	72	148	87
	2012	115	31	149	70
Cropland on which no-till practices were used	farms, 2017	144	425	282	198
	2012	135	391	237	206
acres, 2017	32,251	124,851	130,034	84,214	25,167
2012	31,014	120,508	105,471	65,264	24,892
Average per farm	acres, 2017	224	294	461	425
	2012	230	308	445	317
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	293	386	131	120
	2012	261	393	124	127
acres, 2017	152,742	155,453	28,618	29,093	50,839
2012	119,669	130,508	45,005	24,900	53,868
Average per farm	acres, 2017	521	403	218	242
	2012	459	332	363	196
Cropland on which intensive tillage practices were used (see text)	farms, 2017	228	128	27	35
	2012	370	222	79	94
acres, 2017	79,963	37,255	8,721	13,486	16,277
2012	111,592	64,213	16,720	18,957	21,473
Average per farm	acres, 2017	351	291	323	385
	2012	302	289	212	202
Cropland planted to a cover crop (excluding CRP)	farms, 2017	112	107	57	55
	2012	62	118	44	53
acres, 2017	14,615	15,942	5,750	3,055	2,955
2012	2,504	5,963	2,807	2,493	2,655
Average per farm	acres, 2017	130	149	101	56
	2012	40	51	64	47

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Wapello	Warren	Washington	Wayne	Webster
Land drained by tile					
farms, 2017	200	387	590	93	579
2012	207	401	609	73	598
acres, 2017	62,637	60,862	157,154	13,612	315,202
2012	48,122	53,227	149,083	14,125	279,685
Average per farm					
acres, 2017	313	157	266	146	544
2012	232	133	245	193	468
Land artificially drained by ditches					
farms, 2017	114	223	186	95	77
2012	99	233	165	96	73
acres, 2017	7,825	20,778	16,559	11,778	20,073
2012	13,679	19,667	13,052	32,711	19,921
Average per farm					
acres, 2017	69	93	89	124	261
2012	138	84	79	341	273
Land under conservation easement					
farms, 2017	24	36	43	33	16
2012	23	48	51	31	43
acres, 2017	1,041	1,908	5,571	3,336	364
2012	1,159	5,775	7,143	3,414	4,481
Average per farm					
acres, 2017	43	53	130	101	23
2012	50	120	140	110	104
Cropland on which no-till practices were used					
farms, 2017	140	314	409	179	90
2012	135	317	410	186	89
acres, 2017	25,688	80,252	122,781	72,794	31,463
2012	17,485	64,276	108,590	86,720	29,031
Average per farm					
acres, 2017	183	256	300	407	350
2012	130	203	265	466	326
Cropland on which reduced tillage, excluding no-till, practices were used (see text)					
farms, 2017	128	204	308	86	286
2012	142	196	285	106	253
acres, 2017	79,030	45,957	74,233	43,613	187,283
2012	56,655	49,386	79,744	31,181	118,425
Average per farm					
acres, 2017	617	225	241	507	655
2012	399	252	280	294	468
Cropland on which intensive tillage practices were used (see text)					
farms, 2017	81	81	143	45	319
2012	161	235	266	102	426
acres, 2017	12,235	7,818	20,134	10,487	149,912
2012	36,543	26,227	35,568	15,727	220,323
Average per farm					
acres, 2017	151	97	141	233	470
2012	227	112	134	154	517
Cropland planted to a cover crop (excluding CRP)					
farms, 2017	61	69	226	49	35
2012	57	95	133	38	41
acres, 2017	7,334	4,944	30,819	3,072	7,198
2012	2,904	4,033	11,451	4,025	2,644
Average per farm					
acres, 2017	120	72	136	63	206
2012	51	42	86	106	64

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Table 41. Land Use Practices: 2017 and 2012 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Winnebago	Winneshiek	Woodbury	Worth	Wright
Land drained by tile					
farms, 2017	340	521	153	356	432
2012	369	547	175	343	472
acres, 2017	182,208	103,336	31,290	168,814	260,950
2012	163,621	95,030	14,950	137,842	241,982
Average per farm	acres, 2017	536	198	474	604
	2012	443	174	85	513
Land artificially drained by ditches	farms, 2017	70	72	55	69
	2012	103	81	59	86
acres, 2017	25,723	7,361	53,767	11,471	19,400
2012	35,819	7,823	39,928	14,451	21,574
Average per farm	acres, 2017	367	102	464	281
	2012	348	97	338	251
Land under conservation easement	farms, 2017	44	70	28	16
	2012	17	72	41	25
acres, 2017	3,893	5,290	1,663	527	1,222
2012	1,470	5,385	4,199	748	1,249
Average per farm	acres, 2017	88	76	59	76
	2012	86	75	102	33
Cropland on which no-till practices were used	farms, 2017	34	323	372	81
	2012	39	228	389	56
acres, 2017	6,961	62,960	222,545	20,255	16,739
2012	11,906	41,140	185,362	12,042	22,034
Average per farm	acres, 2017	205	195	598	284
	2012	305	180	477	344
Cropland on which reduced tillage, excluding no-till, practices were used (see text)	farms, 2017	197	556	223	157
	2012	189	501	300	151
acres, 2017	122,191	157,633	87,756	92,531	160,199
2012	100,967	144,282	100,049	83,041	130,430
Average per farm	acres, 2017	620	284	394	589
	2012	534	288	333	550
Cropland on which intensive tillage practices were used (see text)	farms, 2017	167	239	132	192
	2012	255	426	212	267
acres, 2017	84,275	35,628	41,187	95,977	143,688
2012	94,697	58,718	72,671	110,601	178,402
Average per farm	acres, 2017	505	149	312	500
	2012	371	138	343	414
Cropland planted to a cover crop (excluding CRP)	farms, 2017	14	203	74	22
	2012	15	247	60	25
acres, 2017	1,331	17,029	6,809	3,293	5,395
2012	1,094	11,547	4,133	747	2,732
Average per farm	acres, 2017	95	84	92	150
	2012	73	47	69	30