

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007

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

Item	Iowa	Adair	Adams	Allamakee	Appanoose	Audubon	Benton
Commercial fertilizer, lime, and soil conditionersfarms, 2012	54,093	451	256	483	303	356	794
.....2007	56,012	485	300	436	319	379	814
.....acres treated, 2012	19,641,333	170,904	96,304	134,586	70,784	179,917	301,754
.....2007	19,009,410	159,908	90,658	105,504	69,181	171,155	267,617
Cropland fertilized, except cropland pasturefarms, 2012	52,428	431	242	470	261	341	784
.....2007	53,790	452	278	408	260	359	788
.....acres treated, 2012	19,161,951	157,957	89,764	130,032	61,199	175,190	298,014
.....2007	18,414,106	140,993	80,575	98,280	55,230	166,556	260,902
Pastureland and rangeland fertilizedfarms, 2012	7,396	121	69	94	102	70	83
.....2007	8,064	166	90	96	146	78	102
.....acres treated, 2012	479,382	12,947	6,540	4,554	9,585	4,727	3,740
.....2007	595,304	18,915	10,083	7,224	13,951	4,599	6,715
Manurefarms, 2012	19,443	154	70	268	61	148	259
.....2007	21,877	186	76	272	82	171	326
.....acres treated, 2012	2,347,716	9,068	6,879	33,268	3,904	22,596	18,085
.....2007	2,331,503	13,349	8,170	28,822	4,149	20,395	24,621
Acres treated to control--							
Insectsfarms, 2012	27,915	147	58	299	80	151	489
.....2007	29,357	155	77	233	71	180	463
.....acres, 2012	9,204,573	52,396	21,976	64,006	24,375	56,420	126,464
.....2007	7,703,762	41,804	22,977	37,014	11,812	66,028	120,825
Weeds, grass, or brushfarms, 2012	53,988	455	263	491	247	371	806
.....2007	47,451	415	244	339	199	337	683
.....acres, 2012	23,200,379	220,370	125,197	131,832	61,351	218,254	350,388
.....2007	19,289,715	157,105	97,825	73,252	39,253	186,641	258,623
Nematodesfarms, 2012	4,353	32	11	33	16	19	58
.....2007	3,546	24	4	23	11	10	27
.....acres, 2012	1,045,726	6,861	2,064	3,762	1,468	7,959	10,957
.....2007	671,571	3,902	(D)	2,689	962	5,043	3,159
Diseases in crops and orchardsfarms, 2012	5,302	31	13	45	13	32	88
.....2007	3,909	28	9	21	14	13	94
.....acres, 2012	1,702,624	16,252	8,253	11,512	728	9,637	20,106
.....2007	864,595	4,254	1,194	2,572	3,418	4,378	20,087
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	352	-	1	4	5	1	4
.....2007	279	2	2	6	1	1	10
.....acres on which used, 2012	13,981	-	(D)	(D)	104	(D)	265
.....2007	19,087	(D)	(D)	312	(D)	(D)	342
Item	Black Hawk	Boone	Bremer	Buchanan	Buena Vista	Butler	Calhoun
Commercial fertilizer, lime, and soil conditionersfarms, 2012	635	527	628	722	609	652	550
.....2007	659	543	670	808	658	727	562
.....acres treated, 2012	214,442	225,503	202,907	269,456	235,144	262,826	245,094
.....2007	194,011	228,067	177,834	275,034	225,689	259,855	236,474
Cropland fertilized, except cropland pasturefarms, 2012	628	512	617	713	603	640	546
.....2007	643	529	652	800	655	710	549
.....acres treated, 2012	213,736	222,855	202,274	268,044	232,900	261,216	242,366
.....2007	192,630	226,279	176,319	273,452	224,294	255,053	234,271
Pastureland and rangeland fertilizedfarms, 2012	34	50	31	59	26	56	45
.....2007	35	37	42	40	24	50	34
.....acres treated, 2012	706	2,648	633	1,412	2,244	1,610	2,728
.....2007	1,381	1,788	1,515	1,582	1,395	4,802	2,203
Manurefarms, 2012	200	126	232	341	289	263	142
.....2007	192	153	263	391	302	278	182
.....acres treated, 2012	18,211	9,022	23,455	37,531	51,178	29,447	19,039
.....2007	14,994	11,913	18,843	31,683	48,579	30,724	22,970
Acres treated to control--							
Insectsfarms, 2012	366	260	384	402	388	293	332
.....2007	407	331	385	470	401	443	304
.....acres, 2012	94,437	91,502	119,107	126,116	152,281	111,010	124,179
.....2007	89,184	106,639	72,068	119,789	120,752	104,276	83,159
Weeds, grass, or brushfarms, 2012	639	533	626	704	622	656	560
.....2007	565	484	574	664	563	609	488
.....acres, 2012	260,455	267,493	223,347	294,701	314,057	306,610	307,981
.....2007	214,031	244,868	181,706	270,265	273,845	232,312	267,288
Nematodesfarms, 2012	61	46	75	72	98	38	54
.....2007	53	67	30	49	75	44	78
.....acres, 2012	10,152	10,071	19,723	15,897	26,601	8,211	14,476
.....2007	7,247	11,168	4,036	6,643	20,182	5,599	14,797
Diseases in crops and orchardsfarms, 2012	70	67	66	75	86	36	65
.....2007	59	50	45	60	35	46	42
.....acres, 2012	15,717	18,994	14,010	17,787	31,080	10,828	18,213
.....2007	9,829	7,579	8,216	19,563	6,006	11,596	7,974
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	-	2	14	8	3	4	2
.....2007	5	2	-	7	-	2	1
.....acres on which used, 2012	-	(D)	700	373	152	147	(D)
.....2007	328	(D)	-	483	-	(D)	(D)

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Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)

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

Item	Carroll	Cass	Cedar	Cerro Gordo	Cherokee	Chickasaw	Clarke
Commercial fertilizer, lime, and soil conditioners farms, 2012	778	432	545	493	626	628	265
..... 2007	711	478	642	535	627	671	275
..... acres treated, 2012	267,235	162,682	222,589	248,681	215,245	216,399	49,800
..... 2007	251,283	181,548	237,262	248,982	202,399	199,138	50,047
Cropland fertilized, except cropland pasture farms, 2012	758	404	523	490	610	623	242
..... 2007	690	441	618	523	611	661	253
..... acres treated, 2012	262,344	148,017	218,432	247,418	207,556	215,542	42,571
..... 2007	245,446	166,559	232,741	248,062	193,147	197,921	41,962
Pastureland and rangeland fertilized farms, 2012	79	139	81	28	103	32	78
..... 2007	104	153	86	29	97	38	77
..... acres treated, 2012	4,891	14,665	4,157	1,263	7,689	857	7,229
..... 2007	5,837	14,989	4,521	920	9,252	1,217	8,085
Manure farms, 2012	324	132	188	128	283	254	81
..... 2007	330	170	267	130	327	305	80
..... acres treated, 2012	43,211	11,296	12,690	15,400	37,108	28,525	5,268
..... 2007	49,614	13,804	22,512	12,633	28,643	31,295	3,379
Acres treated to control--							
Insects farms, 2012	392	172	367	268	431	380	57
..... 2007	370	108	407	351	324	422	81
..... acres, 2012	133,327	72,242	125,366	122,870	165,985	112,008	7,845
..... 2007	93,005	29,880	100,447	123,329	85,954	96,270	11,187
Weeds, grass, or brush farms, 2012	787	441	550	505	651	628	245
..... 2007	608	403	564	482	558	550	207
..... acres, 2012	308,802	211,276	252,436	287,783	282,577	248,190	55,282
..... 2007	258,139	197,024	239,828	267,319	216,116	203,409	30,891
Nematodes farms, 2012	39	17	46	47	32	74	8
..... 2007	36	6	24	44	17	42	9
..... acres, 2012	8,759	5,564	13,096	15,158	11,767	13,731	413
..... 2007	8,834	879	4,124	8,241	3,085	4,550	874
Diseases in crops and orchards farms, 2012	52	55	69	58	82	73	19
..... 2007	31	36	86	44	25	69	8
..... acres, 2012	15,143	23,175	27,459	22,271	25,761	17,982	454
..... 2007	9,126	6,299	33,767	8,241	5,161	8,966	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	3	2	2	5	9	4	5
..... 2007	-	-	10	3	-	3	4
..... acres on which used, 2012	117	(D)	(D)	560	812	86	58
..... 2007	-	-	659	(D)	-	(D)	96
Item	Clay	Clayton	Clinton	Crawford	Dallas	Davis	Decatur
Commercial fertilizer, lime, and soil conditioners farms, 2012	511	816	870	659	563	407	289
..... 2007	557	860	868	569	545	436	329
..... acres treated, 2012	211,280	225,176	316,591	333,068	196,806	82,990	73,709
..... 2007	208,964	196,138	287,326	327,567	184,431	77,889	64,349
Cropland fertilized, except cropland pasture farms, 2012	504	802	850	623	528	363	244
..... 2007	543	827	844	541	516	367	277
..... acres treated, 2012	208,375	221,216	310,155	322,933	194,007	71,776	60,721
..... 2007	206,330	190,495	283,106	313,765	178,807	61,496	50,009
Pastureland and rangeland fertilized farms, 2012	38	89	101	139	73	148	116
..... 2007	55	130	84	166	75	206	128
..... acres treated, 2012	2,905	3,960	6,436	10,135	2,799	11,214	12,988
..... 2007	2,634	5,643	4,220	13,802	5,624	16,393	14,340
Manure farms, 2012	174	399	347	204	127	170	80
..... 2007	180	492	355	244	130	184	75
..... acres treated, 2012	29,878	40,508	29,153	28,696	7,881	11,224	6,984
..... 2007	23,374	44,549	27,288	26,380	5,830	12,237	5,323
Acres treated to control--							
Insects farms, 2012	321	478	576	253	239	126	70
..... 2007	354	508	533	273	265	98	80
..... acres, 2012	144,439	133,985	176,647	135,730	71,366	31,749	25,293
..... 2007	113,618	96,857	123,738	121,957	88,863	11,695	12,885
Weeds, grass, or brush farms, 2012	524	800	872	647	567	327	234
..... 2007	471	728	759	497	464	250	206
..... acres, 2012	275,178	226,273	345,978	389,167	242,726	80,356	69,081
..... 2007	239,130	174,731	293,639	308,585	215,593	52,283	42,752
Nematodes farms, 2012	62	48	81	44	36	20	10
..... 2007	45	36	114	19	54	10	11
..... acres, 2012	25,209	17,511	18,389	15,733	4,531	14,710	3,043
..... 2007	9,885	2,810	17,857	2,898	9,400	832	955
Diseases in crops and orchards farms, 2012	63	83	98	50	69	17	9
..... 2007	31	62	61	27	46	15	20
..... acres, 2012	32,989	36,861	24,977	15,425	27,995	14,716	1,049
..... 2007	10,780	18,372	11,957	8,489	6,238	3,601	2,648
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	-	13	8	-	7	-	1
..... 2007	1	7	5	3	4	-	4
..... acres on which used, 2012	-	620	481	-	19	-	(D)
..... 2007	(D)	(D)	508	46	60	-	39

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Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)

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

Item	Delaware	Des Moines	Dickinson	Dubuque	Emmet	Fayette	Floyd	Franklin
Commercial fertilizer, lime, and soil conditionersfarms, 2012	938	382	298	948	325	761	571	567
.....farms, 2007	1,000	384	380	924	361	832	602	616
.....acres treated, 2012	285,438	100,989	131,331	180,478	159,334	247,181	223,941	268,348
.....acres treated, 2007	242,530	115,175	160,731	177,660	174,019	266,790	200,256	252,433
Cropland fertilized, except cropland pasturefarms, 2012	933	374	290	935	314	759	566	559
.....farms, 2007	971	378	376	886	346	819	596	611
.....acres treated, 2012	280,710	99,166	130,158	175,620	156,793	244,958	223,158	267,252
.....acres treated, 2007	238,754	114,061	159,296	170,458	170,441	262,248	198,983	250,262
Pastureland and rangeland fertilizedfarms, 2012	111	35	25	116	36	42	29	34
.....farms, 2007	110	29	24	159	42	68	27	36
.....acres treated, 2012	4,728	1,823	1,173	4,858	2,541	2,223	783	1,096
.....acres treated, 2007	3,776	1,114	1,435	7,202	3,578	4,542	1,273	2,171
Manurefarms, 2012	527	96	84	552	107	326	199	199
.....farms, 2007	644	105	123	617	152	419	213	236
.....acres treated, 2012	64,726	7,002	11,718	55,475	25,424	34,743	24,547	40,436
.....acres treated, 2007	71,122	4,772	14,580	59,256	31,903	40,576	21,632	51,252
Acres treated to control--								
Insectsfarms, 2012	629	167	176	658	138	410	260	249
.....farms, 2007	676	179	263	559	232	533	372	412
.....acres, 2012	163,349	43,194	74,815	110,926	58,491	117,424	89,403	106,451
.....acres, 2007	116,321	46,924	77,377	74,618	74,430	121,361	96,885	123,808
Weeds, grass, or brushfarms, 2012	922	372	314	940	326	760	568	579
.....farms, 2007	869	328	361	770	300	690	539	530
.....acres, 2012	288,493	121,429	157,440	171,109	192,106	293,821	259,561	318,881
.....acres, 2007	224,019	113,246	174,603	140,484	195,888	253,150	213,379	291,369
Nematodesfarms, 2012	99	28	32	97	48	50	33	46
.....farms, 2007	59	20	41	43	57	44	25	59
.....acres, 2012	19,116	5,952	12,451	13,117	14,109	8,945	7,574	11,466
.....acres, 2007	7,779	2,277	11,554	3,287	13,120	7,983	3,801	9,846
Diseases in crops and orchardsfarms, 2012	75	43	18	95	22	74	45	59
.....farms, 2007	100	38	10	59	16	67	29	66
.....acres, 2012	16,904	11,937	5,066	16,995	9,328	26,411	12,622	21,480
.....acres, 2007	16,344	5,513	2,393	9,841	3,051	15,307	4,184	13,943
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	6	4	3	2	-	2	-	1
.....farms, 2007	4	1	1	6	-	16	1	1
.....acres on which used, 2012	209	243	130	(D)	-	(D)	-	(D)
.....acres on which used, 2007	248	(D)	(D)	273	-	1,504	(D)	(D)
Item	Fremont	Greene	Grundy	Guthrie	Hamilton	Hancock	Hardin	Harrison
Commercial fertilizer, lime, and soil conditionersfarms, 2012	332	518	481	443	460	619	549	552
.....farms, 2007	341	551	558	495	563	658	629	516
.....acres treated, 2012	181,461	253,143	221,502	177,648	245,716	265,567	238,369	276,983
.....acres treated, 2007	150,625	247,615	228,380	195,316	239,864	239,204	239,642	234,863
Cropland fertilized, except cropland pasturefarms, 2012	322	502	473	421	455	615	538	529
.....farms, 2007	329	541	544	457	548	655	610	496
.....acres treated, 2012	176,254	249,600	220,252	169,475	244,081	264,544	234,914	267,063
.....acres treated, 2007	144,920	244,235	226,458	183,934	238,247	237,737	235,737	224,429
Pastureland and rangeland fertilizedfarms, 2012	69	64	33	85	23	27	59	121
.....farms, 2007	61	58	38	109	22	27	57	99
.....acres treated, 2012	5,207	3,543	1,250	8,173	1,635	1,023	3,455	9,920
.....acres treated, 2007	5,705	3,380	1,922	11,382	1,617	1,467	3,905	10,434
Manurefarms, 2012	37	151	146	132	130	196	237	113
.....farms, 2007	29	172	205	133	201	203	265	123
.....acres treated, 2012	2,404	21,145	18,590	13,958	33,159	37,712	54,297	5,562
.....acres treated, 2007	1,327	18,850	20,513	15,172	52,183	37,198	40,255	10,550
Acres treated to control--								
Insectsfarms, 2012	103	291	358	177	208	388	261	215
.....farms, 2007	98	289	386	186	337	415	340	170
.....acres, 2012	50,247	129,996	170,360	58,959	94,936	142,330	108,924	81,256
.....acres, 2007	38,796	103,051	144,670	74,721	105,869	117,234	94,475	53,605
Weeds, grass, or brushfarms, 2012	330	518	501	455	475	620	552	547
.....farms, 2007	308	457	498	454	495	579	556	446
.....acres, 2012	234,639	299,848	288,078	217,286	287,171	314,120	292,245	321,262
.....acres, 2007	166,656	258,587	262,795	195,093	264,625	290,999	229,860	245,613
Nematodesfarms, 2012	16	57	30	26	46	75	43	50
.....farms, 2007	13	49	30	12	48	72	60	20
.....acres, 2012	8,500	15,443	10,510	2,792	10,111	18,651	10,648	19,941
.....acres, 2007	5,500	14,745	8,703	1,992	9,872	11,155	12,644	5,275
Diseases in crops and orchardsfarms, 2012	34	76	92	35	40	79	82	51
.....farms, 2007	25	29	110	25	47	44	68	34
.....acres, 2012	10,882	26,026	56,754	6,490	10,580	26,389	30,176	16,862
.....acres, 2007	3,262	7,939	42,852	5,867	16,174	9,386	24,624	4,441
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	1	1	2	-	1	3	2	-
.....farms, 2007	2	1	8	-	1	3	1	-
.....acres on which used, 2012	(D)	(D)	(D)	-	(D)	(D)	(D)	-
.....acres on which used, 2007	(D)	(D)	856	-	(D)	1,133	(D)	-

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Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)

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

Item	Henry	Howard	Humboldt	Ida	Iowa	Jackson	Jasper	Jefferson
Commercial fertilizer, lime, and soil conditioners farms, 2012	438	542	393	378	573	688	673	288
..... 2007	438	497	482	398	616	600	722	314
..... acres treated, 2012	151,917	207,333	157,392	175,594	193,132	158,261	237,301	98,921
..... 2007	128,533	169,111	200,402	192,059	191,234	135,443	286,538	88,481
Cropland fertilized, except cropland pasture farms, 2012	425	538	392	355	544	661	654	275
..... 2007	416	486	477	382	588	560	692	303
..... acres treated, 2012	150,096	205,776	157,299	171,106	186,514	150,676	232,746	96,727
..... 2007	123,922	166,522	199,708	187,042	184,721	126,196	280,414	85,234
Pastureland and rangeland fertilized farms, 2012	54	36	11	75	115	144	100	55
..... 2007	73	39	19	80	111	143	117	48
..... acres treated, 2012	1,821	1,557	93	4,488	6,618	7,585	4,555	2,194
..... 2007	4,611	2,589	694	5,017	6,513	9,247	6,124	3,247
Manure farms, 2012	143	205	74	143	234	363	229	87
..... 2007	162	218	107	156	312	364	313	124
..... acres treated, 2012	30,084	28,149	11,967	19,118	14,907	27,898	17,062	5,452
..... 2007	11,697	24,113	12,174	21,366	21,743	26,335	20,612	7,947
Acres treated to control--								
Insects farms, 2012	200	258	218	174	292	421	427	115
..... 2007	200	312	293	201	326	320	503	109
..... acres, 2012	59,753	79,047	82,551	85,390	83,649	82,683	128,172	28,975
..... 2007	39,728	87,338	85,081	79,878	88,473	49,330	137,459	24,254
Weeds, grass, or brush farms, 2012	434	557	393	377	575	689	676	277
..... 2007	379	411	418	343	499	485	602	248
..... acres, 2012	172,097	240,758	202,415	206,162	221,983	157,011	291,487	114,059
..... 2007	133,087	174,057	216,204	199,379	175,125	99,037	283,021	71,727
Nematodes farms, 2012	22	42	32	25	30	41	52	19
..... 2007	12	20	51	24	32	40	60	16
..... acres, 2012	4,559	8,301	8,217	4,971	2,530	2,842	13,749	2,062
..... 2007	991	3,030	14,409	3,928	3,928	2,688	5,862	1,378
Diseases in crops and orchards farms, 2012	40	51	44	42	52	40	52	29
..... 2007	44	26	24	20	38	25	46	27
..... acres, 2012	28,196	14,642	20,592	12,811	19,357	4,568	17,332	5,924
..... 2007	7,189	9,425	4,903	8,407	10,082	2,804	7,361	2,763
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	1	5	1	-	1	5	3	4
..... 2007	3	4	1	-	1	1	2	1
..... acres on which used, 2012	(D)	100	(D)	-	(D)	43	235	88
..... 2007	(D)	105	(D)	-	(D)	(D)	(D)	(D)
Item	Johnson	Jones	Keokuk	Kossuth	Lee	Linn	Louisa	Lucas
Commercial fertilizer, lime, and soil conditioners farms, 2012	754	660	503	982	498	839	318	256
..... 2007	753	713	592	1,000	512	900	387	288
..... acres treated, 2012	209,199	212,683	162,135	416,273	120,124	230,305	99,803	48,056
..... 2007	197,306	224,680	160,808	409,179	126,403	241,599	102,414	46,814
Cropland fertilized, except cropland pasture farms, 2012	737	649	500	975	478	818	307	228
..... 2007	712	687	569	988	494	865	376	250
..... acres treated, 2012	205,084	207,526	156,923	414,887	116,232	228,063	98,621	40,876
..... 2007	192,698	217,629	154,587	405,632	120,713	236,621	100,565	33,600
Pastureland and rangeland fertilized farms, 2012	128	86	71	35	79	71	35	76
..... 2007	120	107	94	34	87	96	41	102
..... acres treated, 2012	4,115	5,157	5,212	1,386	3,892	2,242	1,182	7,180
..... 2007	4,608	7,051	6,221	3,547	5,690	4,978	1,849	13,214
Manure farms, 2012	374	305	176	291	167	258	106	58
..... 2007	395	347	212	360	155	284	130	71
..... acres treated, 2012	26,554	29,417	15,576	60,107	9,076	14,083	11,112	2,664
..... 2007	25,226	33,837	15,744	74,315	10,421	15,463	11,405	3,102
Acres treated to control--								
Insects farms, 2012	417	429	236	564	215	491	177	80
..... 2007	359	445	243	624	173	459	202	77
..... acres, 2012	90,934	117,697	59,112	236,033	62,760	118,505	48,774	13,345
..... 2007	61,656	102,863	56,584	197,551	34,776	86,964	42,509	8,203
Weeds, grass, or brush farms, 2012	722	684	513	992	462	838	326	229
..... 2007	578	636	492	911	357	712	364	198
..... acres, 2012	224,921	229,578	189,209	537,476	139,079	259,136	119,551	48,350
..... 2007	183,906	210,907	151,285	460,251	123,223	208,855	109,393	27,689
Nematodes farms, 2012	56	54	45	139	20	72	19	9
..... 2007	45	41	18	119	7	43	35	5
..... acres, 2012	7,726	6,139	7,258	39,730	3,878	12,694	5,593	911
..... 2007	4,739	4,278	5,880	29,151	950	5,959	5,564	484
Diseases in crops and orchards farms, 2012	58	78	33	109	25	87	44	6
..... 2007	50	69	54	46	23	81	39	16
..... acres, 2012	9,008	18,778	6,056	48,987	4,810	19,457	12,786	159
..... 2007	4,955	13,302	13,425	13,003	2,192	12,585	7,859	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	1	2	2	12	12	3	2	5
..... 2007	2	1	-	5	2	1	3	4
..... acres on which used, 2012	(D)	(D)	(D)	398	756	8	(D)	97
..... 2007	(D)	(D)	-	307	(D)	(D)	(D)	(D)

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Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)

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

Item	Lyon	Madison	Mahaska	Marion	Marshall	Mills	Mitchell	Monona
Commercial fertilizer, lime, and soil conditionersfarms, 2012	892	453	605	472	548	316	626	396
.....farms, 2007	750	433	566	458	562	318	627	444
.....acres treated, 2012	252,185	118,612	176,843	129,764	212,934	128,698	213,821	242,687
.....acres treated, 2007	199,717	125,086	150,814	122,517	224,568	124,166	202,835	263,752
Cropland fertilized, except cropland pasturefarms, 2012	873	418	585	444	537	290	621	382
.....farms, 2007	732	395	536	413	539	305	612	423
.....acres treated, 2012	243,630	108,024	172,426	123,957	208,871	124,482	213,124	236,288
.....acres treated, 2007	193,062	110,099	146,429	115,115	221,431	121,557	201,792	252,971
Pastureland and rangeland fertilizedfarms, 2012	139	114	74	76	67	73	31	65
.....farms, 2007	114	126	94	109	58	52	48	86
.....acres treated, 2012	8,555	10,588	4,417	5,807	4,063	4,216	697	6,399
.....acres treated, 2007	6,655	14,987	4,385	7,402	3,137	2,609	1,043	10,781
Manurefarms, 2012	518	128	240	146	152	32	294	69
.....farms, 2007	460	150	240	143	195	34	298	98
.....acres treated, 2012	84,093	7,401	23,914	10,209	14,850	932	35,580	4,854
.....acres treated, 2007	57,850	6,701	21,560	7,431	17,470	795	37,303	7,694
Acres treated to control--								
Insectsfarms, 2012	562	134	271	151	309	104	330	187
.....farms, 2007	474	175	310	192	391	87	424	177
.....acres, 2012	150,616	29,965	79,830	34,714	107,226	45,768	97,111	95,804
.....acres, 2007	105,495	42,482	55,206	43,064	124,348	23,447	106,881	70,706
Weeds, grass, or brushfarms, 2012	919	441	607	459	550	307	633	399
.....farms, 2007	707	375	489	378	532	285	525	377
.....acres, 2012	322,898	132,016	228,250	156,625	259,963	172,960	254,216	277,851
.....acres, 2007	234,637	110,380	144,036	104,677	233,574	127,956	210,746	281,554
Nematodesfarms, 2012	69	20	44	21	53	21	50	40
.....farms, 2007	48	9	21	12	51	6	46	34
.....acres, 2012	14,575	2,955	6,996	5,876	12,110	5,114	10,794	9,232
.....acres, 2007	6,112	1,677	3,405	1,096	12,368	1,429	10,761	7,188
Diseases in crops and orchardsfarms, 2012	107	38	40	38	84	26	53	36
.....farms, 2007	41	28	40	36	63	26	63	31
.....acres, 2012	19,826	8,536	8,564	9,748	27,531	6,293	13,297	25,667
.....acres, 2007	5,948	9,554	6,420	3,166	24,987	3,730	10,939	8,800
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	5	3	8	9	12	2	14	-
.....farms, 2007	-	3	2	2	3	9	6	-
.....acres on which used, 2012	290	90	225	236	667	(D)	396	-
.....acres on which used, 2007	-	319	(D)	(D)	(D)	716	433	-
Item	Monroe	Montgomery	Muscatine	O'Brien	Osceola	Page	Palo Alto	Plymouth
Commercial fertilizer, lime, and soil conditionersfarms, 2012	279	346	455	677	405	523	546	1,006
.....farms, 2007	304	368	509	712	484	477	532	1,014
.....acres treated, 2012	67,180	156,139	144,013	205,078	161,010	201,460	255,459	358,747
.....acres treated, 2007	69,756	125,884	149,183	214,596	163,390	154,268	250,941	334,729
Cropland fertilized, except cropland pasturefarms, 2012	253	331	434	668	402	497	541	967
.....farms, 2007	272	348	499	692	481	442	525	970
.....acres treated, 2012	59,476	147,476	141,746	202,294	160,455	186,680	254,651	347,531
.....acres treated, 2007	59,048	117,441	146,565	210,230	163,057	139,817	248,988	323,773
Pastureland and rangeland fertilizedfarms, 2012	81	89	65	66	14	170	29	157
.....farms, 2007	94	94	56	64	12	161	29	188
.....acres treated, 2012	7,704	8,663	2,267	2,784	555	14,780	808	11,216
.....acres treated, 2007	10,708	8,443	2,618	4,366	333	14,451	1,953	10,956
Manurefarms, 2012	76	81	148	278	152	107	191	438
.....farms, 2007	71	83	164	350	223	120	208	465
.....acres treated, 2012	5,053	5,608	11,861	37,320	27,293	6,930	44,176	71,454
.....acres treated, 2007	3,800	6,518	11,069	46,374	34,935	4,623	52,971	50,366
Acres treated to control--								
Insectsfarms, 2012	94	103	252	396	295	142	365	508
.....farms, 2007	101	88	276	484	358	116	372	380
.....acres, 2012	25,456	47,749	71,543	103,069	90,359	44,330	195,285	157,019
.....acres, 2007	18,004	25,721	57,518	122,465	90,524	27,556	126,097	85,010
Weeds, grass, or brushfarms, 2012	269	360	448	688	428	532	553	1,017
.....farms, 2007	209	352	459	635	440	416	493	857
.....acres, 2012	67,282	179,921	162,320	264,863	213,064	234,411	314,381	448,214
.....acres, 2007	53,071	139,653	146,202	266,226	195,134	163,947	269,608	341,216
Nematodesfarms, 2012	25	15	49	61	37	19	100	64
.....farms, 2007	10	3	50	25	49	14	108	23
.....acres, 2012	4,510	5,155	8,606	11,857	9,690	2,802	37,466	11,846
.....acres, 2007	978	(D)	8,281	4,619	8,040	1,555	33,217	5,609
Diseases in crops and orchardsfarms, 2012	21	23	60	71	43	43	67	56
.....farms, 2007	11	11	57	27	12	15	37	14
.....acres, 2012	5,374	8,635	20,165	21,016	9,568	11,315	27,737	10,738
.....acres, 2007	1,860	1,503	9,978	5,575	1,274	1,326	9,543	2,626
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	2	1	2	1	5	5	-	2
.....farms, 2007	4	9	1	6	-	1	-	1
.....acres on which used, 2012	(D)	(D)	(D)	(D)	447	191	-	(D)
.....acres on which used, 2007	(D)	1,015	(D)	6	-	(D)	-	(D)

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Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)

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

Item	Pocahontas	Polk	Pottawattamie	Poweshiek	Ringgold	Sac	Scott	Shelby	
Commercial fertilizer, lime, and soil conditioners	farms, 2012	563	413	829	528	322	631	511	684
	2007	651	418	756	523	303	593	608	669
acres treated, 2012	233,224	127,593	382,393	201,560	98,007	250,507	176,356	297,285	276,623
	2007	249,206	171,854	336,073	186,176	76,938	248,911	195,042	276,623
Cropland fertilized, except cropland pasture	farms, 2012	563	388	798	516	300	617	502	665
	2007	649	399	717	501	272	584	595	633
acres treated, 2012	232,972	126,608	373,287	193,442	82,295	246,605	174,349	291,201	267,969
	2007	248,297	169,921	327,002	178,750	59,634	245,986	193,266	267,969
Pastureland and rangeland fertilized	farms, 2012	13	46	157	102	109	83	47	138
	2007	18	42	173	118	109	69	44	144
acres treated, 2012	252	985	9,106	8,118	15,712	3,902	2,007	6,084	8,654
	2007	909	1,933	9,071	7,426	17,304	2,925	1,776	8,654
Manure	farms, 2012	153	89	168	227	86	249	174	199
	2007	198	104	187	231	90	246	248	201
acres treated, 2012	31,298	5,039	16,020	27,534	9,662	44,637	18,306	17,182	20,999
	2007	29,973	4,835	10,339	19,731	7,986	44,782	16,920	20,999
Acres treated to control--									
	Insects	farms, 2012	341	222	366	299	99	326	332
2007	386	260	236	351	56	285	362	271	
acres, 2012	152,364	66,889	161,553	107,101	27,040	122,934	95,628	95,499	75,638
	2007	121,060	81,288	71,990	102,405	14,341	91,447	90,407	75,638
Weeds, grass, or brush	farms, 2012	570	431	842	541	314	633	520	685
	2007	582	367	674	432	220	486	553	594
acres, 2012	299,229	164,866	462,967	248,312	115,910	311,416	189,513	329,478	259,458
	2007	294,576	198,228	340,167	187,457	56,619	266,145	196,775	259,458
Nematodes	farms, 2012	77	39	48	40	16	44	50	42
	2007	98	31	20	28	5	48	61	16
acres, 2012	24,743	7,951	16,001	9,588	7,254	11,809	9,021	8,562	3,022
	2007	25,926	9,503	4,602	4,765	547	8,660	8,955	3,022
Diseases in crops and orchards	farms, 2012	74	64	123	47	13	77	38	75
	2007	35	44	64	46	6	26	65	41
acres, 2012	42,038	18,077	52,938	22,417	5,102	20,429	9,495	22,830	7,976
	2007	11,076	8,329	12,258	9,513	1,084	6,349	8,376	7,976
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2012	-	3	7	1	2	3	-	5
	2007	-	7	4	8	3	3	-	1
acres on which used, 2012	-	7	(D)	(D)	(D)	(D)	(D)	-	280
	2007	-	221	28	346	78	(D)	-	(D)
Item	Sioux	Story	Tama	Taylor	Union	Van Buren	Wapello	Warren	
Commercial fertilizer, lime, and soil conditioners	farms, 2012	1,166	576	701	317	322	337	339	563
	2007	1,087	683	726	364	343	347	333	507
acres treated, 2012	334,130	217,607	255,777	135,481	84,831	87,034	98,772	114,904	
	2007	317,923	270,197	279,263	120,751	91,691	84,084	81,594	99,052
Cropland fertilized, except cropland pasture	farms, 2012	1,133	549	686	289	290	315	321	528
	2007	1,060	669	703	335	290	323	311	461
acres treated, 2012	331,311	216,536	249,338	124,193	72,862	81,209	95,257	108,847	
	2007	314,489	269,112	272,781	108,523	71,923	78,229	77,303	89,767
Pastureland and rangeland fertilized	farms, 2012	85	55	98	117	101	74	64	99
	2007	85	42	102	120	142	85	61	114
acres treated, 2012	2,819	1,071	6,439	11,288	11,969	5,825	3,515	6,057	
	2007	3,434	1,085	6,482	12,228	19,768	5,855	4,291	9,285
Manure	farms, 2012	738	164	230	90	70	99	71	153
	2007	719	167	258	89	119	96	96	146
acres treated, 2012	138,334	20,064	22,106	14,233	9,325	6,472	6,462	5,305	
	2007	124,112	25,731	22,332	7,042	10,719	4,861	6,737	5,754
Acres treated to control--									
	Insects	farms, 2012	794	281	406	70	69	97	113
2007	628	420	471	74	106	109	118	204	
acres, 2012	215,447	101,979	144,147	31,273	24,633	33,583	35,663	37,543	
	2007	166,143	145,168	134,926	44,659	20,155	26,334	34,730	40,728
Weeds, grass, or brush	farms, 2012	1,207	597	713	298	301	288	294	569
	2007	959	617	630	270	263	251	208	405
acres, 2012	416,131	256,952	308,740	165,256	105,615	96,323	107,988	138,280	
	2007	347,107	256,720	264,709	112,007	79,457	69,271	70,890	97,391
Nematodes	farms, 2012	95	67	72	10	12	24	17	26
	2007	43	78	46	14	12	7	9	20
acres, 2012	17,638	16,677	17,757	3,768	1,204	2,834	6,572	4,901	
	2007	6,319	20,097	8,858	2,838	890	4,106	1,086	1,159
Diseases in crops and orchards	farms, 2012	100	101	112	11	11	20	21	49
	2007	47	77	79	12	19	13	9	42
acres, 2012	23,607	29,207	44,134	8,815	5,307	8,071	1,764	8,642	
	2007	7,743	30,934	21,651	1,686	1,923	1,772	2,725	9,388
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2012	6	8	9	2	3	-	2	13
	2007	4	7	5	2	1	-	1	7
acres on which used, 2012	388	192	521	(D)	29	(D)	(D)	375	
	2007	(D)	(D)	712	(D)	(D)	(D)	(D)	

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Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)

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

Item	Washington	Wayne	Webster	Winnebago	Winneshiek	Woodbury	Worth	Wright
Commercial fertilizer, lime, and soil conditionersfarms, 2012	623	291	667	388	860	656	386	500
.....farms, 2007	665	318	778	415	705	683	384	510
.....acres treated, 2012	187,430	119,444	299,604	166,289	239,918	323,757	165,734	251,336
.....acres treated, 2007	175,566	89,305	309,171	172,160	170,693	319,711	155,119	211,688
Cropland fertilized, except cropland pasturefarms, 2012	610	262	654	385	842	615	386	498
.....farms, 2007	647	281	757	411	685	643	375	502
.....acres treated, 2012	184,095	109,805	297,577	166,018	236,774	310,440	165,368	250,691
.....acres treated, 2007	171,759	75,171	305,581	170,911	166,168	304,318	153,947	211,240
Pastureland and rangeland fertilizedfarms, 2012	79	88	43	9	119	158	11	27
.....farms, 2007	88	116	37	16	105	160	25	19
.....acres treated, 2012	3,335	9,639	2,027	271	3,144	13,317	366	645
.....acres treated, 2007	3,807	14,134	3,590	1,249	4,525	15,393	1,172	448
Manurefarms, 2012	340	66	117	92	462	208	101	158
.....farms, 2007	370	57	199	137	411	222	103	188
.....acres treated, 2012	49,946	4,421	15,806	23,199	44,863	20,545	6,414	35,386
.....acres treated, 2007	43,137	3,115	17,688	19,456	41,963	13,496	8,099	41,522
Acres treated to control--								
Insectsfarms, 2012	301	87	428	188	516	330	203	207
.....farms, 2007	286	89	380	243	454	228	262	286
.....acres, 2012	83,171	31,944	179,782	81,300	124,731	119,353	71,267	82,343
.....acres, 2007	59,541	28,756	107,164	69,413	72,399	58,610	78,859	90,273
Weeds, grass, or brushfarms, 2012	612	265	676	383	831	657	382	495
.....farms, 2007	539	183	682	343	603	575	318	444
.....acres, 2012	220,613	127,277	351,702	202,724	239,502	362,007	201,708	320,733
.....acres, 2007	173,106	54,819	321,006	168,922	139,022	305,556	164,056	259,669
Nematodesfarms, 2012	52	16	74	35	67	50	36	26
.....farms, 2007	34	9	76	44	49	25	38	44
.....acres, 2012	8,010	7,926	24,436	9,511	14,468	13,343	9,603	6,263
.....acres, 2007	5,822	3,029	20,578	8,085	4,350	9,082	8,724	9,765
Diseases in crops and orchardsfarms, 2012	60	9	83	32	74	50	33	25
.....farms, 2007	74	8	51	29	67	28	24	19
.....acres, 2012	30,214	2,084	25,258	11,406	17,126	19,042	7,589	5,283
.....acres, 2007	15,856	3,263	15,483	9,047	9,248	6,176	4,859	3,762
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	6	4	-	2	4	1	2	4
.....farms, 2007	3	1	2	-	10	-	1	2
.....acres on which used, 2012	119	188	-	(D)	192	(D)	(D)	100
.....acres on which used, 2007	(D)	(D)	(D)	-	375	-	(D)	(D)