

Table 42. Fertilizers and Chemicals Applied: 2007 and 2002

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

Item	Iowa	Adair	Adams	Allamakee	Appanoose	Audubon	Benton
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	56,012	485	300	436	319	379	814
..... 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	19,009,410	159,908	90,658	105,504	69,181	171,155	267,617
..... 2002	16,295,095	148,419	86,425	97,754	66,490	121,705	232,824
Cropland fertilized, except cropland pastured farms, 2007	53,790	452	278	408	260	359	788
..... 2002	55,204	533	282	473	322	350	817
..... acres treated, 2007	18,414,106	140,993	80,575	98,280	55,230	166,556	260,902
..... 2002	15,667,911	135,393	77,318	92,800	50,462	115,437	227,238
Pastureland and rangeland fertilized farms, 2007	8,064	166	90	96	146	78	102
..... 2002	8,953	147	155	124	153	111	138
..... acres treated, 2007	595,304	18,915	10,083	7,224	13,951	4,599	6,715
..... 2002	627,184	13,026	9,107	4,954	16,028	6,268	5,586
Manure ¹ farms, 2007	21,877	186	76	272	82	171	326
..... 2002	26,512	175	127	384	138	216	461
..... acres treated, 2007	2,331,503	13,349	8,170	28,822	4,149	20,395	24,621
..... 2002	2,333,984	14,067	12,457	27,831	5,603	18,383	35,792
Chemicals used to control- ¹							
Insects farms, 2007	29,357	155	77	233	71	180	463
..... 2002	20,331	52	105	252	28	176	379
..... acres treated, 2007	7,703,762	41,804	22,977	37,014	11,812	66,028	120,825
..... 2002	3,714,004	5,104	16,444	32,992	3,285	44,653	57,589
Weeds, grass, or brush farms, 2007	47,451	415	244	339	199	337	683
..... 2002	46,334	362	267	403	238	380	737
..... acres treated, 2007	19,289,715	157,105	97,825	73,252	39,253	186,641	258,623
..... 2002	16,716,673	150,467	94,050	63,916	45,294	163,640	260,914
Nematodes farms, 2007	3,546	24	4	23	11	10	27
..... 2002	1,782	9	-	39	-	-	21
..... acres treated, 2007	671,571	3,902	(D)	2,689	962	5,043	3,159
..... 2002	292,947	99	-	1,725	-	-	426
Diseases in crops and orchards farms, 2007	3,909	28	9	21	14	13	94
..... 2002	834	1	-	23	11	-	12
..... acres treated, 2007	864,595	4,254	1,194	2,572	3,418	4,378	20,087
..... 2002	113,930	(D)	-	2,911	801	-	1,475
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	279	2	2	6	1	1	10
..... 2002	190	-	-	1	-	-	-
..... acres treated, 2007	19,087	(D)	(D)	312	(D)	(D)	342
..... 2002	3,196	-	-	(D)	-	-	-
Item	Black Hawk	Boone	Bremer	Buchanan	Buena Vista	Butler	Calhoun
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	659	543	670	808	658	727	562
..... 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	194,011	228,067	177,834	275,034	225,689	259,855	236,474
..... 2002	173,487	190,503	153,044	185,327	195,145	193,405	181,760
Cropland fertilized, except cropland pastured farms, 2007	643	529	652	800	655	710	549
..... 2002	657	504	592	742	585	684	563
..... acres treated, 2007	192,630	226,279	176,319	273,452	224,294	255,053	234,271
..... 2002	171,040	183,730	151,732	184,392	192,251	190,024	181,305
Pastureland and rangeland fertilized farms, 2007	35	37	42	40	24	50	34
..... 2002	57	78	49	33	57	104	22
..... acres treated, 2007	1,381	1,788	1,515	1,582	1,395	4,802	2,203
..... 2002	2,447	6,773	1,312	935	2,894	3,381	455
Manure ¹ farms, 2007	192	153	263	391	302	278	182
..... 2002	285	190	300	383	297	355	212
..... acres treated, 2007	14,994	11,913	18,843	31,683	48,579	30,724	22,970
..... 2002	15,950	21,191	24,081	32,750	40,977	27,470	16,420
Chemicals used to control- ¹							
Insects farms, 2007	407	331	385	470	401	443	304
..... 2002	340	132	307	356	213	304	148
..... acres treated, 2007	89,184	106,639	72,068	119,789	120,752	104,276	83,159
..... 2002	45,028	42,078	35,193	58,650	54,648	51,287	25,665
Weeds, grass, or brush farms, 2007	565	484	574	664	563	609	488
..... 2002	530	431	491	542	479	665	483
..... acres treated, 2007	214,031	244,868	181,706	270,265	273,845	232,312	267,288
..... 2002	165,408	233,036	152,476	173,665	216,664	203,400	228,871
Nematodes farms, 2007	53	67	30	49	75	44	78
..... 2002	21	42	1	26	65	31	-
..... acres treated, 2007	7,247	11,168	4,036	6,643	20,182	5,599	14,797
..... 2002	4,078	14,167	(D)	1,522	13,748	2,609	-
Diseases in crops and orchards farms, 2007	59	50	45	60	35	46	42
..... 2002	13	21	19	22	8	26	-
..... acres treated, 2007	9,829	7,579	8,216	19,563	6,006	11,596	7,974
..... 2002	1,898	(D)	47	1,006	3,327	9,352	-
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	5	2	-	7	-	2	1
..... 2002	1	-	-	9	-	-	-
..... acres treated, 2007	328	(D)	-	483	-	(D)	(D)
..... 2002	(D)	-	-	36	-	-	-

See footnote(s) at end of table.

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Table 42. Fertilizers and Chemicals Applied: 2007 and 2002 - Con.

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

Item	Carroll	Cass	Cedar	Cerro Gordo	Cherokee	Chickasaw	Clarke
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	711	478	642	535	627	671	275
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	251,283	181,548	237,262	248,982	202,399	199,138	50,047
.....acres treated, 2002	225,620	161,409	193,168	187,265	168,528	160,288	60,052
Cropland fertilized, except cropland pasturedfarms, 2007	690	441	618	523	611	661	253
.....farms, 2002	750	497	664	547	653	611	341
.....acres treated, 2007	245,446	166,559	232,741	248,062	193,147	197,921	41,962
.....acres treated, 2002	222,613	143,740	189,150	186,976	159,818	157,450	(D)
Pastureland and rangeland fertilizedfarms, 2007	104	153	86	29	97	38	77
.....farms, 2002	62	186	113	54	131	63	124
.....acres treated, 2007	5,837	14,989	4,521	920	9,252	1,217	8,085
.....acres treated, 2002	3,007	17,669	4,018	289	8,710	2,838	(D)
Manure ¹farms, 2007	300	170	267	130	327	305	80
.....farms, 2002	378	244	360	260	355	385	128
.....acres treated, 2007	49,614	13,804	22,512	12,633	28,643	31,295	3,379
.....acres treated, 2002	35,498	17,543	29,778	20,884	23,797	37,585	12,029
Chemicals used to control- ¹							
Insectsfarms, 2007	370	108	407	351	324	422	81
.....farms, 2002	221	118	265	122	317	183	56
.....acres treated, 2007	93,005	29,880	100,447	123,329	85,954	96,270	11,187
.....acres treated, 2002	41,808	21,414	42,187	16,769	74,775	27,365	3,117
Weeds, grass, or brushfarms, 2007	608	403	564	482	558	550	207
.....farms, 2002	684	380	569	478	533	469	307
.....acres treated, 2007	258,139	197,024	239,828	267,319	216,116	203,409	30,891
.....acres treated, 2002	265,039	158,659	170,764	220,016	179,272	162,385	60,550
Nematodesfarms, 2007	36	6	24	44	17	42	9
.....farms, 2002	-	-	12	22	4	-	-
.....acres treated, 2007	8,834	879	4,124	8,241	3,085	4,550	874
.....acres treated, 2002	-	-	3,230	57	1,950	-	-
Diseases in crops and orchardsfarms, 2007	31	36	86	44	25	69	8
.....farms, 2002	1	-	10	15	1	1	16
.....acres treated, 2007	9,126	6,299	33,767	8,241	5,161	8,966	(D)
.....acres treated, 2002	(D)	-	80	475	(D)	(D)	16
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	-	-	10	3	-	3	4
.....farms, 2002	-	-	-	23	-	-	-
.....acres treated, 2007	-	-	659	(D)	-	(D)	96
.....acres treated, 2002	-	-	-	168	-	-	-
Item	Clay	Clayton	Clinton	Crawford	Dallas	Davis	Decatur
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	557	860	868	569	545	436	329
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	208,964	196,138	287,326	327,567	184,431	77,889	64,349
.....acres treated, 2002	174,936	181,700	233,410	263,069	151,491	93,214	104,699
Cropland fertilized, except cropland pasturedfarms, 2007	543	827	844	541	516	367	277
.....farms, 2002	490	748	830	578	548	439	310
.....acres treated, 2007	206,330	190,495	283,106	313,765	178,807	61,496	50,009
.....acres treated, 2002	173,460	178,100	228,559	253,728	148,388	77,250	78,689
Pastureland and rangeland fertilizedfarms, 2007	55	130	84	166	75	206	128
.....farms, 2002	27	110	102	119	69	174	193
.....acres treated, 2007	2,634	5,643	4,220	13,802	5,624	16,393	14,340
.....acres treated, 2002	1,476	3,600	4,851	9,341	3,103	15,964	26,010
Manure ¹farms, 2007	180	492	355	244	130	184	75
.....farms, 2002	194	552	426	271	218	204	98
.....acres treated, 2007	23,374	44,549	27,288	26,380	5,830	12,237	5,323
.....acres treated, 2002	19,248	52,679	27,461	22,116	11,421	10,355	7,808
Chemicals used to control- ¹							
Insectsfarms, 2007	354	508	533	273	265	98	80
.....farms, 2002	182	369	483	222	101	93	75
.....acres treated, 2007	113,618	96,857	123,738	121,957	88,863	11,695	12,885
.....acres treated, 2002	39,542	74,706	83,189	41,654	11,656	26,215	21,193
Weeds, grass, or brushfarms, 2007	471	728	759	497	464	250	206
.....farms, 2002	388	557	774	495	510	259	226
.....acres treated, 2007	239,130	174,731	293,639	308,585	215,593	52,283	42,752
.....acres treated, 2002	206,645	121,017	225,400	236,952	221,927	69,618	64,671
Nematodesfarms, 2007	45	36	114	19	54	10	11
.....farms, 2002	-	29	21	-	18	22	12
.....acres treated, 2007	9,885	2,810	17,857	2,898	9,400	832	955
.....acres treated, 2002	-	2,593	3,133	-	2,758	435	180
Diseases in crops and orchardsfarms, 2007	31	62	61	27	46	15	20
.....farms, 2002	-	31	4	1	19	22	-
.....acres treated, 2007	10,780	18,372	11,957	8,489	6,238	3,601	2,648
.....acres treated, 2002	-	2,206	1,690	(D)	4,009	8,404	-
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	1	7	5	3	4	-	4
.....farms, 2002	-	1	1	-	-	-	-
.....acres treated, 2007	(D)	(D)	508	46	60	-	39
.....acres treated, 2002	-	(D)	(D)	-	-	-	-

See footnote(s) at end of table.

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Table 42. Fertilizers and Chemicals Applied: 2007 and 2002 - Con.

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

Item	Delaware	Des Moines	Dickinson	Dubuque	Emmet	Fayette	Floyd	Franklin
Commercial fertilizer, lime, and soil conditioners ^{1 2} farms, 2007	1,000	384	380	924	361	832	602	616
..... farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	242,530	115,175	160,731	177,660	174,019	266,790	200,256	252,433
..... acres treated, 2002	220,971	86,425	101,054	142,423	128,732	228,383	161,570	193,219
Cropland fertilized, except cropland pastured farms, 2007	971	378	376	866	346	819	596	611
..... farms, 2002	907	446	309	894	375	830	592	571
..... acres treated, 2007	238,754	114,061	159,296	170,458	170,441	262,248	198,983	250,262
..... acres treated, 2002	217,321	84,013	99,228	138,540	126,899	223,623	160,860	192,076
Pastureland and rangeland fertilized farms, 2007	110	29	24	159	42	68	27	36
..... farms, 2002	116	45	25	132	33	76	41	35
..... acres treated, 2007	3,776	1,114	1,435	7,202	3,578	4,542	1,273	2,171
..... acres treated, 2002	3,650	2,412	1,826	3,883	1,833	4,760	710	1,143
Manure ¹ farms, 2007	644	105	123	617	152	419	213	236
..... farms, 2002	757	133	189	825	105	446	318	306
..... acres treated, 2007	71,122	4,772	14,580	59,256	31,903	40,576	21,632	51,252
..... acres treated, 2002	85,730	6,938	19,695	65,863	13,806	43,041	24,046	29,664
Chemicals used to control- ¹								
Insects farms, 2007	676	179	263	559	232	533	372	412
..... farms, 2002	528	204	133	558	69	336	181	96
..... acres treated, 2007	116,321	46,924	77,377	74,618	74,430	121,361	96,885	123,808
..... acres treated, 2002	75,514	23,441	43,084	61,161	17,357	59,794	24,362	19,653
Weeds, grass, or brush farms, 2007	869	328	361	770	300	690	539	530
..... farms, 2002	763	373	304	697	301	665	528	458
..... acres treated, 2007	224,019	113,246	174,603	140,484	195,888	253,150	213,379	291,369
..... acres treated, 2002	174,587	98,037	144,536	95,836	136,482	203,176	202,176	225,916
Nematodes farms, 2007	59	20	41	43	57	44	25	59
..... farms, 2002	42	22	22	50	48	11	15	20
..... acres treated, 2007	7,779	2,277	11,554	3,287	13,120	7,983	3,801	9,846
..... acres treated, 2002	8,523	2,450	11,000	3,627	10,315	540	1,125	5,697
Diseases in crops and orchards farms, 2007	100	38	10	59	16	67	29	66
..... farms, 2002	17	7	-	62	-	10	13	-
..... acres treated, 2007	16,344	5,513	2,393	9,841	3,051	15,307	4,184	13,943
..... acres treated, 2002	572	3,500	-	4,701	-	730	650	-
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	4	1	1	6	-	16	1	1
..... farms, 2002	-	-	-	-	-	-	-	-
..... acres treated, 2007	248	(D)	(D)	273	-	1,504	(D)	(D)
..... acres treated, 2002	-	-	-	-	-	-	-	-
Item	Fremont	Greene	Grundy	Guthrie	Hamilton	Hancock	Hardin	Harrison
Commercial fertilizer, lime, and soil conditioners ^{1 2} farms, 2007	341	551	558	495	563	658	629	516
..... farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	150,625	247,615	228,380	195,316	239,864	239,204	239,642	234,863
..... acres treated, 2002	163,980	219,660	200,944	119,783	191,091	176,151	200,689	245,718
Cropland fertilized, except cropland pastured farms, 2007	329	541	544	457	548	655	610	496
..... farms, 2002	395	508	545	454	559	613	597	513
..... acres treated, 2007	144,920	244,235	226,458	183,934	238,247	237,737	235,737	224,429
..... acres treated, 2002	154,886	215,650	200,585	111,685	189,886	176,002	194,609	236,047
Pastureland and rangeland fertilized farms, 2007	61	58	38	109	22	27	57	99
..... farms, 2002	67	48	14	115	65	12	41	154
..... acres treated, 2007	5,705	3,380	1,922	11,382	1,617	1,467	3,905	10,434
..... acres treated, 2002	9,094	4,010	359	8,098	1,205	149	6,080	9,671
Manure ¹ farms, 2007	29	172	205	133	201	203	265	123
..... farms, 2002	37	85	189	205	233	252	343	111
..... acres treated, 2007	1,327	18,850	20,513	15,172	52,183	37,198	40,255	10,550
..... acres treated, 2002	6,277	10,939	17,314	21,719	35,010	22,570	50,879	9,719
Chemicals used to control- ¹								
Insects farms, 2007	98	289	386	186	337	415	340	170
..... farms, 2002	167	90	327	123	164	150	187	221
..... acres treated, 2007	38,796	103,051	144,670	74,721	105,869	117,234	94,475	53,605
..... acres treated, 2002	52,260	16,368	85,790	27,337	41,368	33,021	28,983	42,832
Weeds, grass, or brush farms, 2007	308	457	498	454	495	579	556	446
..... farms, 2002	356	431	479	402	434	414	471	418
..... acres treated, 2007	166,656	258,587	262,795	195,093	264,625	290,999	229,860	245,613
..... acres treated, 2002	187,505	251,855	230,546	151,651	212,055	173,312	233,045	211,090
Nematodes farms, 2007	13	49	8	12	48	72	60	20
..... farms, 2002	29	-	8	-	39	40	18	11
..... acres treated, 2007	5,500	14,745	8,703	1,992	9,872	11,155	12,644	5,275
..... acres treated, 2002	6,168	-	1,600	-	8,703	6,700	2,956	5,983
Diseases in crops and orchards farms, 2007	25	29	110	25	47	44	68	34
..... farms, 2002	12	1	40	8	-	8	-	1
..... acres treated, 2007	3,262	7,939	42,852	5,867	16,174	9,386	24,624	4,441
..... acres treated, 2002	5,550	(D)	13,205	8	-	4,000	-	(D)
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	2	1	8	-	1	3	1	-
..... farms, 2002	-	-	-	8	-	-	-	11
..... acres treated, 2007	(D)	(D)	856	-	(D)	1,133	(D)	-
..... acres treated, 2002	-	-	-	8	-	-	-	550

See footnote(s) at end of table.

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Table 42. Fertilizers and Chemicals Applied: 2007 and 2002 - Con.

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

Item	Henry	Howard	Humboldt	Ida	Iowa	Jackson	Jasper	Jefferson
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	438	497	482	398	616	600	722	314
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	128,533	169,111	200,402	192,059	191,234	135,443	286,538	88,481
.....acres treated, 2002	127,209	140,227	148,982	159,470	145,700	101,901	208,881	93,746
Cropland fertilized, except cropland pasturedfarms, 2007	416	486	477	382	588	560	692	303
.....farms, 2002	395	566	475	404	573	616	757	409
.....acres treated, 2007	123,922	166,522	199,708	187,042	184,721	126,196	280,414	85,234
.....acres treated, 2002	125,282	134,510	(D)	152,973	140,144	98,236	201,702	86,270
Pastureland and rangeland fertilizedfarms, 2007	73	39	19	80	111	143	117	48
.....farms, 2002	49	71	1	109	123	116	207	91
.....acres treated, 2007	4,611	2,589	694	5,017	6,513	9,247	6,124	3,247
.....acres treated, 2002	1,927	5,717	(D)	6,497	5,556	3,665	7,179	7,476
Manure ¹farms, 2007	162	218	107	156	312	364	313	124
.....farms, 2002	165	338	114	178	343	506	380	196
.....acres treated, 2007	11,697	24,113	12,174	21,366	21,743	26,335	20,612	7,947
.....acres treated, 2002	11,080	22,256	13,938	22,416	24,559	32,722	27,161	10,876
Chemicals used to control- ¹								
Insectsfarms, 2007	200	312	293	201	326	320	503	109
.....farms, 2002	220	177	78	166	326	347	335	125
.....acres treated, 2007	39,728	87,338	85,081	79,878	88,473	49,330	137,459	24,254
.....acres treated, 2002	47,721	21,544	21,901	30,022	55,207	39,668	63,834	30,365
Weeds, grass, or brushfarms, 2007	379	411	418	343	499	485	602	248
.....farms, 2002	338	400	390	315	540	523	603	280
.....acres treated, 2007	133,087	174,057	216,204	199,379	175,125	99,037	283,021	71,727
.....acres treated, 2002	114,370	149,586	176,803	175,740	148,570	70,736	218,109	86,866
Nematodesfarms, 2007	12	20	51	24	32	40	60	16
.....farms, 2002	31	1	13	-	1	7	9	10
.....acres treated, 2007	991	3,030	14,409	3,712	3,928	2,688	5,862	1,378
.....acres treated, 2002	7,270	(D)	1,365	-	(D)	350	270	510
Diseases in crops and orchardsfarms, 2007	44	26	24	20	38	25	46	27
.....farms, 2002	9	1	-	-	20	1	9	-
.....acres treated, 2007	7,189	9,425	4,903	8,407	10,082	2,804	7,361	2,763
.....acres treated, 2002	63	(D)	-	-	2,208	(D)	1,800	-
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	3	4	1	-	1	1	2	1
.....farms, 2002	-	-	-	-	-	-	1	-
.....acres treated, 2007	(D)	105	(D)	-	(D)	(D)	(D)	(D)
.....acres treated, 2002	-	-	-	-	-	-	(D)	-
Item	Johnson	Jones	Keokuk	Kossuth	Lee	Linn	Louisa	Lucas
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	753	713	592	1,000	512	900	387	288
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	197,306	224,680	160,808	409,179	126,403	241,599	102,414	46,814
.....acres treated, 2002	133,884	164,803	157,777	339,018	117,026	174,139	100,651	66,516
Cropland fertilized, except cropland pasturedfarms, 2007	712	687	569	988	494	865	376	250
.....farms, 2002	713	659	560	1,041	469	784	358	275
.....acres treated, 2007	192,698	217,629	154,587	405,632	120,713	236,621	100,565	33,600
.....acres treated, 2002	131,104	162,263	147,254	334,794	114,338	172,177	99,395	51,898
Pastureland and rangeland fertilizedfarms, 2007	120	107	94	34	87	96	41	102
.....farms, 2002	90	45	114	34	86	58	40	125
.....acres treated, 2007	4,608	7,051	6,221	3,547	5,690	4,978	1,849	13,214
.....acres treated, 2002	2,780	2,540	10,523	4,224	2,688	1,962	1,256	14,618
Manure ¹farms, 2007	395	347	212	360	155	284	130	71
.....farms, 2002	549	397	225	385	194	385	156	109
.....acres treated, 2007	25,226	33,837	15,744	74,315	10,421	15,463	11,405	3,102
.....acres treated, 2002	33,745	43,766	19,370	42,831	13,885	21,974	14,474	5,806
Chemicals used to control- ¹								
Insectsfarms, 2007	359	445	243	624	173	459	202	77
.....farms, 2002	341	237	177	166	199	272	93	87
.....acres treated, 2007	61,656	102,863	56,584	197,551	34,776	86,964	42,509	8,203
.....acres treated, 2002	31,242	41,037	31,416	21,619	32,299	29,035	18,792	8,771
Weeds, grass, or brushfarms, 2007	578	636	492	911	357	712	364	198
.....farms, 2002	559	570	408	874	385	652	353	215
.....acres treated, 2007	183,906	210,907	151,285	460,251	123,223	208,855	109,393	27,689
.....acres treated, 2002	141,119	136,222	124,069	407,443	95,676	150,416	116,757	41,415
Nematodesfarms, 2007	45	41	18	119	7	43	35	5
.....farms, 2002	22	11	24	54	20	11	1	19
.....acres treated, 2007	4,739	4,278	5,880	29,151	950	5,959	5,564	484
.....acres treated, 2002	1,000	1,200	402	6,353	5,190	90	(D)	468
Diseases in crops and orchardsfarms, 2007	50	69	54	46	23	81	39	16
.....farms, 2002	39	13	1	11	2	10	11	8
.....acres treated, 2007	4,955	13,302	13,425	13,003	2,192	12,585	7,859	(D)
.....acres treated, 2002	2,425	1,834	(D)	1,155	(D)	209	350	152
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	2	1	-	5	2	1	3	4
.....farms, 2002	-	-	-	-	-	10	28	8
.....acres treated, 2007	(D)	(D)	-	307	(D)	(D)	(D)	(D)
.....acres treated, 2002	-	-	-	-	-	67	122	281

See footnote(s) at end of table.

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Table 42. Fertilizers and Chemicals Applied: 2007 and 2002 - Con.

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

Item	Lyon	Madison	Mahaska	Marion	Marshall	Mills	Mitchell	Monona
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	750	433	566	458	562	318	627	444
..... 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	199,717	125,086	150,814	122,517	224,568	124,166	202,835	263,752
..... 2002	179,680	109,175	176,747	108,130	193,787	126,502	154,813	217,515
Cropland fertilized, except cropland pastured farms, 2007	732	395	536	413	539	305	612	423
..... 2002	730	523	577	469	524	309	581	487
..... acres treated, 2007	193,062	110,099	146,429	115,115	221,431	121,557	201,792	252,971
..... 2002	172,807	85,612	172,076	101,696	188,355	126,067	154,463	202,319
Pastureland and rangeland fertilized farms, 2007	114	126	94	109	58	52	48	86
..... 2002	103	225	91	72	64	31	44	112
..... acres treated, 2007	6,655	14,987	4,385	7,402	3,137	2,609	1,043	10,781
..... 2002	6,873	23,563	4,434	6,434	5,432	435	350	15,196
Manure ¹ farms, 2007	460	150	240	143	195	34	298	98
..... 2002	476	121	273	164	234	21	275	183
..... acres treated, 2007	57,850	6,701	21,560	7,431	17,470	795	37,303	7,694
..... 2002	45,735	6,324	20,337	10,161	20,634	1,152	31,405	18,326
Chemicals used to control- ¹								
Insects farms, 2007	474	175	310	192	391	87	424	177
..... 2002	230	130	294	104	223	97	141	282
..... acres treated, 2007	105,495	42,482	55,206	43,064	124,348	23,447	106,881	70,706
..... 2002	57,404	11,763	57,193	17,596	52,626	28,078	19,429	69,582
Weeds, grass, or brush farms, 2007	707	375	489	378	532	285	525	377
..... 2002	690	502	533	399	456	242	506	428
..... acres treated, 2007	234,637	110,380	144,036	104,677	233,574	127,956	210,746	281,554
..... 2002	194,760	109,194	183,803	101,975	230,220	144,124	181,841	235,128
Nematodes farms, 2007	48	9	21	12	51	6	46	34
..... 2002	1	-	2	26	12	-	22	28
..... acres treated, 2007	6,112	1,677	3,405	1,096	12,368	1,429	10,761	7,188
..... 2002	(D)	-	(D)	1,615	485	-	911	7,840
Diseases in crops and orchards farms, 2007	41	28	40	36	63	26	63	31
..... 2002	-	-	1	8	1	-	2	15
..... acres treated, 2007	5,948	9,554	6,420	3,166	24,987	3,730	10,939	8,800
..... 2002	-	-	(D)	12	(D)	-	(D)	4,579
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	-	3	2	2	3	9	6	-
..... 2002	-	-	-	1	-	-	-	-
..... acres treated, 2007	-	319	(D)	(D)	(D)	716	433	-
..... 2002	-	-	-	(D)	-	-	-	-
Item	Monroe	Montgomery	Muscatine	O'Brien	Osceola	Page	Palo Alto	Plymouth
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	304	368	509	712	484	477	532	1,014
..... 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	69,756	125,884	149,183	214,596	163,390	154,268	250,941	334,729
..... 2002	68,656	96,747	120,794	200,682	149,408	179,205	157,659	306,860
Cropland fertilized, except cropland pastured farms, 2007	272	348	499	692	481	442	525	970
..... 2002	325	335	438	746	456	610	534	1,026
..... acres treated, 2007	59,048	117,441	146,565	210,230	163,057	139,817	248,988	323,773
..... 2002	57,420	87,964	119,290	198,494	149,408	143,050	157,340	299,298
Pastureland and rangeland fertilized farms, 2007	94	94	56	64	12	161	29	188
..... 2002	165	132	45	59	-	328	17	140
..... acres treated, 2007	10,708	8,443	2,618	4,366	333	14,451	1,953	10,956
..... 2002	11,236	8,783	1,504	2,188	-	36,155	319	7,562
Manure ¹ farms, 2007	71	83	164	350	223	208	208	465
..... 2002	192	122	163	384	194	237	244	469
..... acres treated, 2007	3,800	6,518	11,069	46,374	34,935	4,623	52,971	50,366
..... 2002	8,951	10,612	11,531	35,504	26,068	9,074	42,997	60,994
Chemicals used to control- ¹								
Insects farms, 2007	101	88	276	484	358	116	372	380
..... 2002	76	108	146	289	230	214	128	388
..... acres treated, 2007	18,004	25,721	57,518	122,465	90,524	27,556	126,097	85,010
..... 2002	10,985	32,433	26,718	48,371	51,967	29,215	19,917	79,235
Weeds, grass, or brush farms, 2007	209	352	459	635	440	416	493	857
..... 2002	280	360	308	596	369	603	492	813
..... acres treated, 2007	53,071	139,653	146,202	266,226	195,134	163,947	269,608	341,216
..... 2002	59,466	135,142	103,053	218,953	163,834	198,671	188,484	283,599
Nematodes farms, 2007	10	3	50	25	49	14	108	23
..... 2002	-	21	10	11	2	1	53	28
..... acres treated, 2007	978	(D)	8,281	4,619	8,040	1,555	33,217	5,609
..... 2002	-	10,011	2,274	905	(D)	(D)	5,361	4,637
Diseases in crops and orchards farms, 2007	11	11	57	27	12	15	37	14
..... 2002	-	-	10	-	-	8	11	23
..... acres treated, 2007	1,860	1,503	9,978	5,575	1,274	1,326	9,543	2,626
..... 2002	-	-	2,600	-	-	1,200	306	1,115
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	4	9	1	6	-	1	-	1
..... 2002	-	1	-	-	-	-	-	9
..... acres treated, 2007	(D)	1,015	(D)	6	-	(D)	-	(D)
..... 2002	-	(D)	-	-	-	-	-	132

See footnote(s) at end of table.

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Table 42. Fertilizers and Chemicals Applied: 2007 and 2002 - Con.

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

Item	Pocahontas	Polk	Pottawattamie	Poweshiek	Ringgold	Sac	Scott	Shelby
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	651	418	756	523	303	593	608	669
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	249,206	171,854	336,073	186,176	76,938	248,911	195,042	276,623
.....acres treated, 2002	216,654	156,461	322,868	161,002	100,868	206,531	173,334	210,228
Cropland fertilized, except cropland pasturedfarms, 2007	649	399	717	501	272	584	595	633
.....farms, 2002	577	417	839	508	362	613	509	706
.....acres treated, 2007	248,297	169,921	327,002	178,750	59,634	245,986	193,266	267,969
.....acres treated, 2002	216,094	154,774	307,286	151,085	69,820	204,593	172,974	201,062
Pastureland and rangeland fertilizedfarms, 2007	18	42	173	118	109	69	44	144
.....farms, 2002	21	36	189	167	172	38	47	138
.....acres treated, 2007	909	1,933	9,071	7,426	17,304	2,925	1,776	8,654
.....acres treated, 2002	560	1,687	15,582	9,917	31,048	1,938	360	9,166
Manure ¹farms, 2007	198	104	187	231	90	246	248	201
.....farms, 2002	199	92	351	298	87	230	216	234
.....acres treated, 2007	29,973	4,835	10,339	19,731	7,986	44,782	16,920	20,999
.....acres treated, 2002	26,073	5,915	19,267	15,288	13,840	29,120	16,333	12,898
Chemicals used to control- ¹								
Insectsfarms, 2007	386	260	236	351	56	285	362	271
.....farms, 2002	179	157	460	205	85	245	213	246
.....acres treated, 2007	121,060	81,288	71,990	102,405	14,341	91,447	90,407	75,638
.....acres treated, 2002	50,359	38,316	70,790	27,147	13,500	53,888	62,671	56,929
Weeds, grass, or brushfarms, 2007	582	367	674	432	220	486	553	594
.....farms, 2002	473	282	758	511	272	530	473	590
.....acres treated, 2007	294,576	198,228	340,167	187,457	56,619	266,145	196,775	259,458
.....acres treated, 2002	256,355	131,420	324,182	149,767	70,670	263,717	165,354	188,570
Nematodesfarms, 2007	98	31	20	28	5	48	61	16
.....farms, 2002	71	22	23	-	14	61	14	24
.....acres treated, 2007	25,926	9,503	4,602	4,765	547	8,660	8,955	3,022
.....acres treated, 2002	20,580	3,316	2,351	-	2,240	3,917	5,603	3,266
Diseases in crops and orchardsfarms, 2007	35	44	64	46	6	26	65	41
.....farms, 2002	9	18	-	8	-	1	8	13
.....acres treated, 2007	11,076	8,329	12,258	9,513	1,084	6,349	8,376	7,976
.....acres treated, 2002	5,400	143	-	328	-	(D)	(D)	1,070
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	-	7	4	8	3	3	-	1
.....farms, 2002	-	17	-	-	-	-	-	-
.....acres treated, 2007	-	221	28	346	78	(D)	-	(D)
.....acres treated, 2002	-	119	-	-	-	-	-	-
Item	Sioux	Story	Tama	Taylor	Union	Van Buren	Wapello	Warren
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	1,087	683	726	364	343	347	333	507
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	317,923	270,197	279,263	120,751	91,691	84,084	81,594	99,052
.....acres treated, 2002	277,632	217,580	234,221	121,921	76,692	90,126	92,537	113,372
Cropland fertilized, except cropland pasturedfarms, 2007	1,060	669	703	335	290	323	311	461
.....farms, 2002	1,055	684	676	361	275	385	342	521
.....acres treated, 2007	314,489	269,112	272,781	108,523	71,923	78,229	77,303	89,767
.....acres treated, 2002	276,424	216,578	228,604	101,584	60,856	84,336	88,773	99,203
Pastureland and rangeland fertilizedfarms, 2007	85	42	102	120	142	85	61	114
.....farms, 2002	49	22	97	161	140	73	153	129
.....acres treated, 2007	3,434	1,085	6,482	12,228	19,768	5,855	4,291	9,285
.....acres treated, 2002	1,208	982	5,617	20,337	15,836	5,790	3,764	14,169
Manure ¹farms, 2007	719	167	258	89	119	96	96	146
.....farms, 2002	902	205	370	128	111	188	130	99
.....acres treated, 2007	124,112	25,731	22,332	7,042	10,719	4,861	6,737	5,754
.....acres treated, 2002	107,313	14,129	24,513	12,056	8,151	8,284	2,888	5,580
Chemicals used to control- ¹								
Insectsfarms, 2007	628	420	471	74	106	109	118	204
.....farms, 2002	466	223	237	101	65	106	119	121
.....acres treated, 2007	166,143	145,168	134,926	44,659	20,155	26,334	34,730	40,728
.....acres treated, 2002	97,878	57,851	66,032	14,257	7,497	20,635	16,209	15,877
Weeds, grass, or brushfarms, 2007	959	617	630	270	263	251	208	405
.....farms, 2002	951	622	580	301	277	284	245	520
.....acres treated, 2007	347,107	256,720	264,709	112,007	79,457	69,271	70,890	97,391
.....acres treated, 2002	285,324	261,800	215,975	106,008	99,650	55,862	75,475	94,520
Nematodesfarms, 2007	43	78	46	14	12	7	9	20
.....farms, 2002	34	51	2	1	1	10	1	18
.....acres treated, 2007	6,319	20,097	8,858	2,838	890	4,106	1,086	1,159
.....acres treated, 2002	3,177	16,864	(D)	(D)	(D)	800	(D)	144
Diseases in crops and orchardsfarms, 2007	47	77	79	12	19	13	9	42
.....farms, 2002	2	14	10	-	9	-	-	19
.....acres treated, 2007	7,743	30,934	21,651	1,686	1,923	1,772	2,725	9,388
.....acres treated, 2002	(D)	1,034	1,965	-	27	-	-	414
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	4	7	5	2	1	-	1	7
.....farms, 2002	1	7	-	-	-	-	-	43
.....acres treated, 2007	(D)	(D)	712	(D)	(D)	-	(D)	(D)
.....acres treated, 2002	(D)	44	-	-	-	-	-	834

See footnote(s) at end of table.

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Table 42. Fertilizers and Chemicals Applied: 2007 and 2002 - Con.

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

Item	Washington	Wayne	Webster	Winnebago	Winneshiek	Woodbury	Worth	Wright
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	665	318	778	415	705	683	384	510
..... farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	175,566	89,305	309,171	172,160	170,693	319,711	155,119	211,688
..... acres treated, 2002	170,699	82,679	233,153	162,308	204,024	259,465	122,723	195,817
Cropland fertilized, except cropland pastured farms, 2007	647	281	757	411	685	643	375	502
..... farms, 2002	627	307	667	407	876	653	353	546
..... acres treated, 2007	171,759	75,171	305,581	170,911	166,168	304,318	153,947	211,240
..... acres treated, 2002	166,267	76,620	232,915	160,528	198,133	241,238	122,378	195,297
Pastureland and rangeland fertilized farms, 2007	88	116	37	16	105	160	25	19
..... farms, 2002	81	67	26	20	144	199	15	8
..... acres treated, 2007	3,807	14,134	3,590	1,249	4,525	15,393	1,172	448
..... acres treated, 2002	4,432	6,059	238	1,780	5,891	18,227	345	520
Manure ¹ farms, 2007	370	57	199	137	411	222	103	188
..... farms, 2002	396	153	233	165	575	243	149	256
..... acres treated, 2007	43,137	3,115	17,688	19,456	41,963	13,496	8,099	41,522
..... acres treated, 2002	36,559	14,146	15,285	34,162	44,829	22,470	7,368	32,469
Chemicals used to control- ¹								
Insects farms, 2007	286	89	380	243	454	228	262	286
..... farms, 2002	397	36	160	80	440	215	95	121
..... acres treated, 2007	59,541	28,756	107,164	69,413	72,399	58,610	78,859	90,273
..... acres treated, 2002	69,384	5,861	29,840	9,115	61,822	46,496	4,800	29,334
Weeds, grass, or brush farms, 2007	539	183	682	343	603	575	318	444
..... farms, 2002	582	219	534	370	560	574	315	398
..... acres treated, 2007	173,106	54,819	321,006	168,922	139,022	305,556	164,056	259,669
..... acres treated, 2002	161,948	79,724	284,639	181,424	147,529	210,983	169,385	203,687
Nematodes farms, 2007	34	9	76	44	49	25	38	44
..... farms, 2002	23	-	89	10	17	20	11	44
..... acres treated, 2007	5,822	3,029	20,578	8,085	4,350	9,082	8,724	9,765
..... acres treated, 2002	3,259	-	19,606	470	5,397	5,530	374	4,445
Diseases in crops and orchards farms, 2007	74	8	51	29	67	28	24	19
..... farms, 2002	22	-	11	9	10	-	1	-
..... acres treated, 2007	15,856	3,263	15,483	9,047	9,248	6,176	4,859	3,762
..... acres treated, 2002	655	-	3,850	18	3,650	-	(D)	-
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	3	1	2	-	10	-	1	2
..... farms, 2002	-	-	-	-	9	-	-	-
..... acres treated, 2007	(D)	(D)	(D)	-	375	-	(D)	(D)
..... acres treated, 2002	-	-	-	-	405	-	-	-

¹ 2002 data are based on a sample of farms.

² 2002 farm count data are not comparable due to calculation change.