

Table 42. Fertilizers and Chemicals Applied: 2007 and 2002

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

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	26,431	89	39	766	230	201	171
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	5,711,776	7,742	3,875	183,743	24,802	21,384	50,587
.....acres treated, 2002	5,476,283	5,077	2,436	133,692	17,121	17,545	49,324
Cropland fertilized, except cropland pasturedfarms, 2007	25,082	83	37	731	208	188	165
.....farms, 2002	24,450	68	20	732	135	149	157
.....acres treated, 2007	5,651,519	7,281	3,709	182,570	23,685	20,654	50,191
.....acres treated, 2002	5,423,039	4,982	2,256	132,978	16,016	17,065	49,302
Pastureland and rangeland fertilizedfarms, 2007	2,968	11	7	86	49	28	8
.....farms, 2002	2,920	10	5	67	34	20	6
.....acres treated, 2007	60,257	461	166	1,173	1,117	730	396
.....acres treated, 2002	53,244	95	180	714	1,105	480	22
Manure ¹farms, 2007	10,876	23	28	401	123	88	64
.....farms, 2002	11,955	65	19	427	101	51	81
.....acres treated, 2007	806,350	1,419	1,073	43,835	7,432	4,569	4,417
.....acres treated, 2002	700,621	1,896	950	33,005	4,807	4,314	8,348
Chemicals used to control- ¹							
Insectsfarms, 2007	9,513	15	8	402	42	88	44
.....farms, 2002	8,314	19	2	322	32	67	61
.....acres treated, 2007	1,667,647	1,068	82	66,733	3,682	9,049	7,945
.....acres treated, 2002	990,827	1,054	(D)	35,120	1,290	8,126	8,699
Weeds, grass, or brushfarms, 2007	18,681	48	22	541	102	110	109
.....farms, 2002	18,709	44	16	445	63	108	109
.....acres treated, 2007	4,834,758	4,907	1,463	149,055	16,649	7,863	40,626
.....acres treated, 2002	4,387,194	2,925	780	88,125	8,060	8,855	31,637
Nematodesfarms, 2007	1,016	-	-	31	4	12	1
.....farms, 2002	971	-	-	15	-	7	4
.....acres treated, 2007	126,221	-	-	2,360	(D)	336	(D)
.....acres treated, 2002	86,159	-	-	3,878	-	614	80
Diseases in crops and orchardsfarms, 2007	3,670	10	4	142	20	41	9
.....farms, 2002	3,315	2	1	124	7	37	48
.....acres treated, 2007	415,925	47	14	10,596	500	5,605	2,341
.....acres treated, 2002	346,183	(D)	(D)	7,913	913	5,209	4,962
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	1,521	5	2	41	4	45	5
.....farms, 2002	1,062	-	1	53	6	16	4
.....acres treated, 2007	120,890	(D)	(D)	1,965	285	4,678	(D)
.....acres treated, 2002	86,216	-	(D)	1,361	30	2,388	88
Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	33	371	504	91	771	508	548
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	1,755	81,055	142,421	5,403	110,411	152,598	132,135
.....acres treated, 2002	958	89,794	124,536	4,954	101,210	137,374	131,618
Cropland fertilized, except cropland pasturedfarms, 2007	33	347	493	79	750	479	533
.....farms, 2002	23	312	491	80	720	592	524
.....acres treated, 2007	(D)	80,179	141,993	5,294	109,746	151,669	130,153
.....acres treated, 2002	958	88,576	124,001	4,896	100,112	136,514	130,460
Pastureland and rangeland fertilizedfarms, 2007	1	50	24	17	55	54	66
.....farms, 2002	-	71	30	6	29	47	47
.....acres treated, 2007	(D)	876	428	109	665	929	1,982
.....acres treated, 2002	-	1,218	535	58	1,098	860	1,158
Manure ¹farms, 2007	9	204	54	43	172	189	215
.....farms, 2002	15	271	114	44	138	224	309
.....acres treated, 2007	216	18,559	4,008	877	6,000	12,866	14,871
.....acres treated, 2002	515	15,610	5,049	746	5,071	12,789	14,167
Chemicals used to control- ¹							
Insectsfarms, 2007	11	86	212	67	566	180	172
.....farms, 2002	3	61	203	45	483	136	150
.....acres treated, 2007	363	19,086	42,291	3,213	49,629	55,837	42,305
.....acres treated, 2002	(D)	13,107	25,584	3,058	42,546	28,071	26,926
Weeds, grass, or brushfarms, 2007	15	237	397	59	606	415	420
.....farms, 2002	7	210	411	61	556	507	473
.....acres treated, 2007	1,249	66,370	131,729	4,194	92,607	149,443	121,273
.....acres treated, 2002	946	68,436	101,404	2,226	105,692	124,852	124,756
Nematodesfarms, 2007	-	6	18	5	57	16	12
.....farms, 2002	-	2	45	6	76	18	27
.....acres treated, 2007	-	1,293	2,901	59	2,795	1,055	535
.....acres treated, 2002	-	(D)	2,759	54	3,007	1,988	3,494
Diseases in crops and orchardsfarms, 2007	4	17	80	49	311	26	26
.....farms, 2002	4	10	77	33	290	16	25
.....acres treated, 2007	244	2,686	12,108	2,814	18,790	4,765	1,558
.....acres treated, 2002	(D)	4,230	6,255	2,652	17,322	2,193	1,444
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	1	3	16	28	128	2	4
.....farms, 2002	2	1	31	12	73	4	1
.....acres treated, 2007	(D)	(D)	958	2,411	4,991	(D)	28
.....acres treated, 2002	(D)	(D)	1,928	753	3,956	1,372	(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	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Commercial fertilizer, lime, and soil conditioners ^{1 2} farms, 2007	419	164	128	153	134	677	7
..... 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	118,627	9,465	5,768	13,745	15,156	187,496	125
..... 2002	111,751	6,433	5,813	4,947	8,730	164,253	(D)
Cropland fertilized, except cropland pastured farms, 2007	381	137	117	142	116	649	6
..... 2002	403	102	94	77	98	614	6
..... acres treated, 2007	117,433	8,895	5,359	12,124	12,471	186,496	61
..... 2002	110,131	5,918	4,950	4,607	6,534	163,960	(D)
Pastureland and rangeland fertilized farms, 2007	59	39	18	22	36	61	3
..... 2002	74	44	27	7	27	25	6
..... acres treated, 2007	1,194	570	409	1,621	2,685	1,000	64
..... 2002	1,620	515	863	340	2,196	293	57
Manure ¹ farms, 2007	163	73	70	84	100	287	9
..... 2002	214	79	59	84	91	216	8
..... acres treated, 2007	11,106	2,297	2,494	3,202	7,259	39,269	99
..... 2002	18,988	2,231	2,505	2,647	5,437	23,162	(D)
Chemicals used to control- ¹							
Insects farms, 2007	153	44	27	13	17	178	2
..... 2002	168	36	27	11	12	124	2
..... acres treated, 2007	51,215	1,688	701	924	1,541	38,688	(D)
..... 2002	32,082	1,549	725	140	173	15,821	(D)
Weeds, grass, or brush farms, 2007	297	103	60	34	60	558	5
..... 2002	295	74	50	27	82	476	7
..... acres treated, 2007	110,200	5,607	1,972	1,000	5,160	177,511	32
..... 2002	93,431	3,351	1,662	727	3,852	140,380	44
Nematodes farms, 2007	19	2	-	3	2	26	-
..... 2002	19	-	4	-	-	24	-
..... acres treated, 2007	5,315	(D)	-	36	(D)	5,190	-
..... 2002	1,750	-	18	-	-	753	-
Diseases in crops and orchards farms, 2007	42	18	14	4	7	43	1
..... 2002	32	17	11	5	4	32	3
..... acres treated, 2007	15,806	908	279	37	52	4,221	(D)
..... 2002	8,278	803	35	5	12	1,197	(D)
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	18	8	3	2	3	10	-
..... 2002	32	5	-	-	-	5	-
..... acres treated, 2007	5,155	432	10	(D)	8	325	-
..... 2002	3,065	50	-	-	-	266	-
Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Commercial fertilizer, lime, and soil conditioners ^{1 2} farms, 2007	138	61	556	129	413	209	15
..... 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	17,709	4,567	137,168	9,395	80,120	19,761	(D)
..... 2002	12,984	4,894	140,904	9,072	81,280	16,857	142
Cropland fertilized, except cropland pastured farms, 2007	124	56	531	119	394	190	14
..... 2002	109	55	536	107	449	156	6
..... acres treated, 2007	15,408	4,486	135,795	8,957	79,466	18,871	(D)
..... 2002	11,758	4,864	139,257	8,365	80,947	16,379	(D)
Pastureland and rangeland fertilized farms, 2007	38	8	73	22	52	30	2
..... 2002	46	6	62	25	29	66	2
..... acres treated, 2007	2,301	81	1,393	438	654	890	(D)
..... 2002	1,226	30	1,647	707	333	478	(D)
Manure ¹ farms, 2007	71	29	207	74	151	94	16
..... 2002	83	42	254	90	250	134	13
..... acres treated, 2007	5,073	1,441	11,420	2,834	9,700	2,368	247
..... 2002	3,533	1,530	5,899	3,679	8,222	3,854	314
Chemicals used to control- ¹							
Insects farms, 2007	34	14	156	19	123	24	2
..... 2002	25	13	115	27	119	20	1
..... acres treated, 2007	2,671	925	31,904	563	6,989	2,120	(D)
..... 2002	1,836	892	13,170	658	6,503	1,605	(D)
Weeds, grass, or brush farms, 2007	78	35	431	51	286	101	5
..... 2002	73	28	497	66	394	158	2
..... acres treated, 2007	8,054	2,479	134,767	3,760	70,092	13,977	75
..... 2002	6,510	1,824	112,941	3,125	72,368	12,009	(D)
Nematodes farms, 2007	1	1	12	1	15	5	-
..... 2002	10	2	20	3	19	1	-
..... acres treated, 2007	(D)	(D)	365	(D)	1,427	50	-
..... 2002	510	(D)	2,391	3	19	(D)	-
Diseases in crops and orchards farms, 2007	20	4	49	8	41	7	1
..... 2002	13	6	12	10	55	14	-
..... acres treated, 2007	512	430	5,947	259	1,174	114	(D)
..... 2002	630	364	2,234	18	2,153	965	-
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	12	6	4	2	13	2	-
..... 2002	13	4	30	-	1	1	-
..... acres treated, 2007	433	297	(D)	(D)	523	(D)	-
..... 2002	426	160	450	-	(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	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	299	584	609	63	795	451	600	120
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	27,068	213,476	150,953	3,080	336,453	127,127	153,219	15,901
.....acres treated, 2002	17,277	213,670	161,382	2,024	306,677	123,105	158,917	13,765
Cropland fertilized, except cropland pasturedfarms, 2007	280	565	581	56	782	407	584	114
.....farms, 2002	238	566	545	54	633	559	538	92
.....acres treated, 2007	26,348	212,804	149,177	2,821	335,625	125,874	152,443	15,798
.....acres treated, 2002	17,027	213,498	160,523	1,725	306,223	121,171	158,206	13,355
Pastureland and rangeland fertilizedfarms, 2007	42	38	78	15	28	81	56	7
.....farms, 2002	5	12	57	19	26	115	47	15
.....acres treated, 2007	720	672	1,776	259	828	1,253	776	103
.....acres treated, 2002	250	172	859	299	454	1,934	711	410
Manure ¹farms, 2007	114	197	269	39	350	217	297	56
.....farms, 2002	109	125	279	39	409	207	301	74
.....acres treated, 2007	3,582	27,542	18,509	675	54,166	14,304	31,615	4,109
.....acres treated, 2002	2,348	12,468	13,675	748	46,050	14,439	20,151	3,798
Chemicals used to control- ¹								
Insectsfarms, 2007	178	163	198	17	340	121	236	11
.....farms, 2002	164	125	72	15	278	157	89	53
.....acres treated, 2007	11,238	56,317	40,759	134	102,824	29,101	40,769	379
.....acres treated, 2002	8,101	19,730	15,033	59	65,731	7,571	15,169	715
Weeds, grass, or brushfarms, 2007	203	444	484	26	629	304	454	57
.....farms, 2002	153	520	411	16	636	439	445	58
.....acres treated, 2007	17,572	192,285	139,346	899	294,112	113,362	127,429	10,722
.....acres treated, 2002	12,485	203,217	127,160	555	268,442	108,732	123,457	8,144
Nematodesfarms, 2007	36	21	21	2	19	18	23	-
.....farms, 2002	19	30	3	-	19	4	2	18
.....acres treated, 2007	953	5,398	3,295	(D)	4,944	661	2,099	-
.....acres treated, 2002	220	2,250	1,170	-	1,970	(D)	2	285
Diseases in crops and orchardsfarms, 2007	123	34	38	9	157	35	39	6
.....farms, 2002	70	35	12	6	116	18	44	23
.....acres treated, 2007	6,948	10,064	3,614	28	45,942	2,908	2,782	36
.....acres treated, 2002	6,992	5,400	594	424	32,206	305	3,009	290
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	90	7	7	2	77	11	17	2
.....farms, 2002	36	13	3	-	21	5	2	-
.....acres treated, 2007	4,914	340	538	(D)	14,900	40	1,056	(D)
.....acres treated, 2002	3,266	698	209	-	2,593	385	(D)	-
Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	28	482	495	411	92	584	2	61
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	3,273	111,157	102,458	93,306	5,444	93,998	(D)	2,131
.....acres treated, 2002	3,450	105,055	99,674	89,207	4,748	98,188	(D)	2,125
Cropland fertilized, except cropland pasturedfarms, 2007	24	464	461	393	82	529	-	54
.....farms, 2002	42	511	456	342	51	579	-	46
.....acres treated, 2007	2,821	110,263	100,730	92,813	5,001	92,328	-	1,945
.....acres treated, 2002	3,186	(D)	98,837	87,700	4,670	97,042	-	1,939
Pastureland and rangeland fertilizedfarms, 2007	9	55	73	45	19	95	2	15
.....farms, 2002	10	1	42	87	10	55	1	19
.....acres treated, 2007	452	894	1,728	493	443	1,670	(D)	186
.....acres treated, 2002	264	(D)	837	1,507	78	1,146	(D)	186
Manure ¹farms, 2007	22	236	206	137	48	247	4	23
.....farms, 2002	30	247	185	209	34	385	1	50
.....acres treated, 2007	616	16,199	13,741	8,579	1,106	20,687	(D)	1,516
.....acres treated, 2002	810	13,115	5,820	14,115	820	21,701	(D)	1,936
Chemicals used to control- ¹								
Insectsfarms, 2007	6	113	152	194	21	279	-	14
.....farms, 2002	7	140	107	200	22	263	-	12
.....acres treated, 2007	359	28,040	33,188	43,018	2,326	42,483	-	234
.....acres treated, 2002	708	12,534	20,694	25,616	2,212	29,701	-	103
Weeds, grass, or brushfarms, 2007	11	366	376	284	31	416	-	24
.....farms, 2002	22	425	351	337	33	326	-	26
.....acres treated, 2007	792	92,493	93,073	80,797	1,345	82,802	-	1,042
.....acres treated, 2002	1,325	86,961	77,418	79,161	2,801	82,198	-	549
Nematodesfarms, 2007	1	8	15	12	1	16	-	-
.....farms, 2002	4	20	20	4	1	33	-	1
.....acres treated, 2007	(D)	1,149	1,962	1,681	(D)	2,412	-	(D)
.....acres treated, 2002	318	1,855	(D)	(D)	(D)	3,051	-	(D)
Diseases in crops and orchardsfarms, 2007	5	32	25	79	6	138	-	6
.....farms, 2002	11	23	2	66	12	99	-	1
.....acres treated, 2007	343	4,032	3,392	5,750	(D)	11,157	-	43
.....acres treated, 2002	712	1,540	(D)	4,345	1,324	13,247	-	(D)
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	3	5	8	41	1	89	-	4
.....farms, 2002	4	9	11	26	2	72	-	-
.....acres treated, 2007	(D)	108	407	294	(D)	6,977	-	38
.....acres treated, 2002	408	135	165	123	(D)	7,963	-	-

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	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	503	302	740	316	16	29	240	170
..... farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	92,753	22,094	232,049	50,652	678	2,289	41,971	9,543
..... acres treated, 2002	96,360	25,950	221,082	55,461	916	1,364	39,540	9,230
Cropland fertilized, except cropland pastured farms, 2007	466	291	717	287	16	24	230	162
..... farms, 2002	493	277	739	345	12	17	230	168
..... acres treated, 2007	91,761	21,773	231,231	50,175	678	2,210	41,775	9,170
..... acres treated, 2002	96,016	24,996	220,624	55,333	761	1,336	39,540	8,638
Pastureland and rangeland fertilized farms, 2007	65	26	56	47	-	5	20	20
..... farms, 2002	32	62	35	23	3	6	-	33
..... acres treated, 2007	992	321	818	477	-	79	196	373
..... acres treated, 2002	344	954	458	128	155	28	-	592
Manure ¹ farms, 2007	264	83	217	116	2	16	71	74
..... farms, 2002	225	71	195	213	6	18	54	80
..... acres treated, 2007	11,954	2,800	15,836	4,826	(D)	1,858	3,435	1,969
..... acres treated, 2002	10,815	4,653	20,363	4,242	473	1,530	2,699	2,291
Chemicals used to control- ¹								
Insects farms, 2007	145	221	277	82	7	3	92	59
..... farms, 2002	74	229	218	124	6	4	96	76
..... acres treated, 2007	15,206	16,789	64,458	5,744	(D)	28	8,182	3,635
..... acres treated, 2002	6,765	16,610	33,770	4,413	497	(D)	5,310	3,899
Weeds, grass, or brush farms, 2007	352	222	629	194	4	10	177	83
..... farms, 2002	413	237	622	192	8	9	197	66
..... acres treated, 2007	76,439	16,237	215,186	43,441	586	673	36,255	5,559
..... acres treated, 2002	87,691	18,058	204,860	37,777	694	337	34,130	3,680
Nematodes farms, 2007	7	30	43	10	-	-	2	5
..... farms, 2002	2	27	22	1	-	-	2	5
..... acres treated, 2007	502	280	5,983	140	-	-	(D)	286
..... acres treated, 2002	(D)	603	401	(D)	-	-	(D)	(D)
Diseases in crops and orchards farms, 2007	52	169	77	31	3	1	52	33
..... farms, 2002	44	159	31	76	5	2	62	48
..... acres treated, 2007	4,660	13,634	8,397	694	(D)	(D)	2,540	1,822
..... acres treated, 2002	3,114	14,698	2,880	564	191	(D)	4,014	2,381
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	13	126	15	6	-	-	18	25
..... farms, 2002	13	85	5	1	1	2	21	11
..... acres treated, 2007	148	10,283	775	85	-	-	368	999
..... acres treated, 2002	285	5,471	1,036	(D)	(D)	(D)	137	856
Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	40	213	374	209	238	174	704	557
..... farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2007	4,644	35,044	40,215	37,019	52,787	36,327	163,352	140,329
..... acres treated, 2002	3,231	37,087	31,696	25,575	47,827	35,263	170,399	141,864
Cropland fertilized, except cropland pastured farms, 2007	38	204	354	202	232	167	672	544
..... farms, 2002	28	236	293	166	203	197	764	469
..... acres treated, 2007	4,579	34,756	38,910	36,017	52,565	35,452	162,987	139,769
..... acres treated, 2002	3,062	36,338	30,792	24,553	47,491	34,916	169,577	140,530
Pastureland and rangeland fertilized farms, 2007	7	24	61	22	26	14	48	43
..... farms, 2002	9	43	60	41	17	10	85	85
..... acres treated, 2007	65	288	1,305	1,002	222	875	365	560
..... acres treated, 2002	169	749	904	1,022	336	347	822	1,334
Manure ¹ farms, 2007	30	85	219	118	86	118	160	278
..... farms, 2002	34	161	198	153	80	116	168	304
..... acres treated, 2007	1,287	9,851	16,593	16,116	3,787	18,360	2,643	22,209
..... acres treated, 2002	1,488	10,153	12,168	13,781	2,551	13,379	4,003	26,966
Chemicals used to control- ¹								
Insects farms, 2007	9	118	54	31	73	60	266	162
..... farms, 2002	10	148	41	28	34	44	228	137
..... acres treated, 2007	561	16,414	9,704	2,158	11,620	15,510	54,297	54,407
..... acres treated, 2002	654	15,660	4,830	681	3,965	4,087	32,308	29,542
Weeds, grass, or brush farms, 2007	15	167	232	125	166	116	564	387
..... farms, 2002	17	219	232	111	152	87	707	358
..... acres treated, 2007	1,208	26,033	25,239	18,847	42,483	24,973	148,492	111,577
..... acres treated, 2002	1,246	27,472	19,785	11,982	36,149	16,837	156,107	101,038
Nematodes farms, 2007	1	9	2	3	11	3	54	27
..... farms, 2002	-	30	1	-	-	1	34	28
..... acres treated, 2007	(D)	547	(D)	55	1,877	79	6,242	12,361
..... acres treated, 2002	-	254	(D)	-	-	(D)	2,493	14,874
Diseases in crops and orchards farms, 2007	1	59	13	6	23	9	86	56
..... farms, 2002	3	79	-	6	24	15	71	41
..... acres treated, 2007	(D)	5,259	(D)	16	2,453	171	9,837	14,286
..... acres treated, 2002	(D)	6,521	-	26	1,583	(D)	6,058	20,544
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	1	22	10	3	4	8	14	32
..... farms, 2002	1	19	1	3	-	2	23	14
..... acres treated, 2007	(D)	2,933	(D)	52	8	145	3,185	9,691
..... acres treated, 2002	(D)	2,460	(D)	45	-	(D)	882	15,126

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	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	49	225	443	166	376	132	30	255
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	4,703	40,734	55,459	8,531	57,002	21,611	2,811	24,673
.....acres treated, 2002	5,623	27,002	50,153	12,119	58,260	17,979	2,241	24,156
Cropland fertilized, except cropland pasturedfarms, 2007	47	203	424	130	347	124	27	233
.....farms, 2002	34	194	448	204	317	97	28	207
.....acres treated, 2007	(D)	40,066	54,419	8,009	55,602	20,882	2,595	23,430
.....acres treated, 2002	5,458	26,406	48,223	(D)	57,244	17,692	2,077	23,027
Pastureland and rangeland fertilizedfarms, 2007	2	40	57	48	48	11	4	50
.....farms, 2002	7	66	129	2	53	23	5	27
.....acres treated, 2007	(D)	668	1,040	522	1,400	729	216	1,243
.....acres treated, 2002	165	596	1,930	(D)	1,016	287	164	1,129
Manure ¹farms, 2007	26	130	234	84	145	73	21	170
.....farms, 2002	34	134	381	54	124	92	36	147
.....acres treated, 2007	1,303	20,585	17,718	981	9,324	9,194	1,606	13,332
.....acres treated, 2002	1,908	11,847	16,219	882	9,952	8,716	2,619	9,782
Chemicals used to control- ¹								
Insectsfarms, 2007	9	95	136	45	212	30	5	40
.....farms, 2002	4	97	155	69	229	3	7	7
.....acres treated, 2007	1,455	17,152	20,196	1,440	36,707	2,721	354	2,960
.....acres treated, 2002	(D)	9,553	14,614	1,308	41,091	596	381	2,276
Weeds, grass, or brushfarms, 2007	24	146	278	103	269	80	12	132
.....farms, 2002	17	126	271	133	244	72	14	108
.....acres treated, 2007	3,485	32,174	39,410	6,110	41,145	11,172	388	9,922
.....acres treated, 2002	2,510	15,059	30,531	9,073	48,605	9,632	697	7,928
Nematodesfarms, 2007	-	9	13	7	25	4	-	1
.....farms, 2002	-	2	11	-	31	-	-	-
.....acres treated, 2007	-	521	1,675	88	1,794	569	-	(D)
.....acres treated, 2002	-	(D)	1,810	-	1,781	-	-	-
Diseases in crops and orchardsfarms, 2007	2	35	45	30	134	8	-	10
.....farms, 2002	2	27	30	40	143	1	2	2
.....acres treated, 2007	(D)	5,564	7,466	310	22,697	(D)	-	(D)
.....acres treated, 2002	(D)	3,383	4,675	377	31,200	(D)	(D)	(D)
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	-	16	18	14	76	2	3	5
.....farms, 2002	-	12	22	3	45	-	-	-
.....acres treated, 2007	-	2,178	1,402	243	8,634	(D)	3	(D)
.....acres treated, 2002	-	1,432	1,221	(D)	7,120	-	-	-
Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Commercial fertilizer, lime, and soil conditioners ^{1,2}farms, 2007	56	85	762	151	19	915	488	516
.....farms, 2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2007	4,858	6,100	95,464	23,125	253	236,508	103,677	153,657
.....acres treated, 2002	3,574	6,162	107,624	17,973	377	224,394	105,063	156,467
Cropland fertilized, except cropland pasturedfarms, 2007	49	76	732	145	16	908	457	495
.....farms, 2002	44	70	802	132	8	701	406	482
.....acres treated, 2007	3,533	5,577	94,322	22,514	198	236,301	102,823	152,489
.....acres treated, 2002	3,204	6,047	106,004	17,373	(D)	224,300	103,601	154,393
Pastureland and rangeland fertilizedfarms, 2007	19	12	86	29	4	20	57	72
.....farms, 2002	11	5	87	26	1	26	131	100
.....acres treated, 2007	1,325	523	1,142	611	55	207	854	1,168
.....acres treated, 2002	370	115	1,620	600	(D)	94	1,462	2,074
Manure ¹farms, 2007	49	42	363	66	4	184	194	187
.....farms, 2002	48	29	414	81	7	166	283	193
.....acres treated, 2007	2,365	1,206	33,601	3,891	95	8,887	8,873	8,411
.....acres treated, 2002	2,333	821	34,508	4,388	110	7,737	6,093	14,177
Chemicals used to control- ¹								
Insectsfarms, 2007	5	12	430	47	4	264	100	247
.....farms, 2002	3	19	373	37	5	222	103	222
.....acres treated, 2007	5	976	36,634	8,984	18	48,166	9,180	82,002
.....acres treated, 2002	(D)	717	28,541	5,417	203	17,851	3,286	53,070
Weeds, grass, or brushfarms, 2007	15	40	551	92	3	704	346	358
.....farms, 2002	19	41	463	105	5	601	343	337
.....acres treated, 2007	1,215	3,018	73,175	11,180	35	212,366	95,597	130,230
.....acres treated, 2002	742	1,987	63,627	13,110	(D)	184,493	85,275	116,346
Nematodesfarms, 2007	-	4	37	2	-	59	21	37
.....farms, 2002	-	7	57	2	-	76	-	7
.....acres treated, 2007	-	285	2,340	(D)	-	9,261	1,298	10,155
.....acres treated, 2002	-	214	2,955	(D)	-	5,064	-	4,046
Diseases in crops and orchardsfarms, 2007	2	5	198	18	1	103	40	66
.....farms, 2002	-	13	173	32	3	98	31	59
.....acres treated, 2007	(D)	203	10,214	3,045	(D)	11,127	673	29,282
.....acres treated, 2002	-	562	11,956	3,904	3	7,472	1,217	21,649
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹farms, 2007	-	2	83	10	-	29	13	9
.....farms, 2002	-	1	53	7	-	34	13	18
.....acres treated, 2007	-	(D)	3,338	689	-	1,538	151	(D)
.....acres treated, 2002	-	(D)	2,628	1,890	-	1,227	41	3,036

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	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Commercial fertilizer, lime, and soil conditioners ^{1,2} farms, 2007	845	28	588	711	693	579	126	167
2002	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2007	307,178	4,624	163,824	237,309	99,032	102,250	9,068	11,206
2002	311,386	3,422	149,977	243,723	94,218	110,847	10,438	7,179
Cropland fertilized, except cropland pastured farms, 2007	828	24	570	682	671	542	121	147
2002	901	31	535	712	663	519	104	107
acres treated, 2007	305,616	4,274	163,462	235,688	98,320	101,548	8,971	10,747
2002	310,359	3,176	149,698	240,749	93,947	109,797	10,433	6,846
Pastureland and rangeland fertilized farms, 2007	66	8	39	76	49	65	7	38
2002	40	13	44	92	46	77	5	21
acres treated, 2007	1,562	350	362	1,621	712	702	97	459
2002	1,027	246	279	2,974	271	1,050	5	333
Manure ¹ farms, 2007	392	16	212	273	164	293	32	82
2002	469	15	184	324	152	236	43	73
acres treated, 2007	37,637	313	13,614	20,124	11,939	9,278	295	2,227
2002	29,567	518	9,027	14,224	7,529	12,131	661	1,950
Chemicals used to control- ¹								
Insects farms, 2007	277	14	113	229	475	236	56	31
2002	191	10	113	234	492	162	34	38
acres treated, 2007	66,007	1,143	22,346	69,247	51,699	30,312	2,488	3,726
2002	38,443	560	9,869	39,679	42,847	20,575	858	3,097
Weeds, grass, or brush farms, 2007	686	18	466	535	525	419	72	70
2002	734	13	428	570	563	388	54	58
acres treated, 2007	275,435	2,913	143,023	214,129	70,106	80,469	8,432	6,216
2002	242,877	1,151	138,091	189,757	58,103	97,352	6,086	2,732
Nematodes farms, 2007	28	-	27	14	48	15	12	4
2002	1	-	24	17	56	18	16	13
acres treated, 2007	8,934	-	4,717	1,334	1,229	1,288	1,011	156
2002	(D)	-	3,336	596	2,299	3,890	125	195
Diseases in crops and orchards farms, 2007	95	5	36	81	241	77	25	12
2002	47	3	29	86	339	33	20	10
acres treated, 2007	17,548	24	2,337	19,275	22,423	2,846	450	103
2002	10,579	(D)	955	15,090	24,725	858	331	793
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate ¹ farms, 2007	32	-	10	32	99	28	9	3
2002	10	-	11	13	98	14	2	5
acres treated, 2007	3,642	-	702	7,615	3,659	395	78	36
2002	783	-	115	520	4,500	194	(D)	13

¹ 2002 data are based on a sample of farms.

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