

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007

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

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac	
Commercial fertilizer, lime, and soil conditioners	farms, 2012	23,463	77	34	610	186	164	155
	2007	26,431	89	39	766	230	201	171
acres treated, 2012	5,396,912	9,808	2,768	166,799	20,167	16,495	45,260	
	2007	5,711,776	7,742	3,875	183,743	24,802	50,587	
Cropland fertilized, except cropland pasture	farms, 2012	22,516	69	33	586	169	155	151
	2007	25,082	83	37	731	208	188	165
acres treated, 2012	5,351,495	9,616	2,458	165,845	19,067	15,997	45,163	
	2007	5,651,519	7,281	3,709	182,570	23,685	50,191	
Pastureland and rangeland fertilized	farms, 2012	2,313	14	4	61	40	23	9
	2007	2,968	11	7	86	49	28	8
acres treated, 2012	45,417	192	310	954	1,100	498	97	
	2007	60,257	461	166	1,173	1,117	730	
Manure	farms, 2012	9,149	38	20	275	109	83	45
	2007	10,876	23	28	401	123	88	64
acres treated, 2012	761,437	2,263	1,210	33,135	4,632	4,100	6,486	
	2007	806,350	1,419	1,073	43,835	7,432	4,569	
Acres treated to control-- Insects	farms, 2012	11,136	18	14	358	59	85	75
	2007	9,513	15	8	402	42	88	44
acres, 2012	2,218,992	2,142	353	61,138	4,417	8,839	11,347	
	2007	1,667,647	1,068	82	66,733	3,682	9,049	
Weeds, grass, or brush	farms, 2012	21,713	51	27	571	141	156	145
	2007	18,681	48	22	541	102	110	109
acres, 2012	5,767,291	7,152	2,169	179,629	17,020	14,430	44,593	
	2007	4,834,758	4,907	1,463	149,055	16,649	7,863	
Nematodes	farms, 2012	2,441	1	3	60	9	21	18
	2007	1,016	-	-	31	4	12	1
acres, 2012	376,530	(D)	8	5,957	101	1,431	2,772	
	2007	126,221	-	-	2,360	(D)	336	
Diseases in crops and orchards	farms, 2012	5,141	5	5	149	35	58	35
	2007	3,670	10	4	142	20	41	9
acres, 2012	781,472	192	14	15,119	1,236	3,985	7,455	
	2007	415,925	47	14	10,596	500	5,605	
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2012	1,893	5	-	48	11	45	7
	2007	1,521	5	2	41	4	45	5
acres on which used, 2012	230,525	10	-	4,173	481	3,931	1,712	
	2007	120,890	(D)	(D)	1,965	285	4,678	

Item	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun	
Commercial fertilizer, lime, and soil conditioners	farms, 2012	21	326	447	82	574	482	493
	2007	33	371	504	91	771	508	548
acres treated, 2012	2,810	79,304	134,772	5,325	92,511	143,299	124,118	
	2007	1,755	81,055	142,421	5,403	110,411	152,598	
Cropland fertilized, except cropland pasture	farms, 2012	21	311	443	75	569	477	483
	2007	33	347	493	79	750	479	533
acres treated, 2012	2,810	78,333	134,670	5,114	92,197	142,862	123,145	
	2007	(D)	80,179	141,993	5,294	109,746	151,669	
Pastureland and rangeland fertilized	farms, 2012	-	43	10	12	24	32	45
	2007	1	50	24	17	55	54	66
acres treated, 2012	-	971	102	211	314	437	973	
	2007	(D)	876	428	109	665	929	
Manure	farms, 2012	16	180	47	22	100	175	190
	2007	9	204	54	43	172	189	215
acres treated, 2012	382	23,758	3,620	538	4,065	11,430	17,501	
	2007	216	18,559	4,008	877	6,000	12,866	
Acres treated to control-- Insects	farms, 2012	8	115	228	52	429	185	219
	2007	11	86	212	67	566	180	172
acres, 2012	454	33,377	43,576	3,418	49,557	43,998	45,446	
	2007	363	19,086	42,291	3,213	49,629	55,837	
Weeds, grass, or brush	farms, 2012	18	303	460	79	589	453	457
	2007	15	237	397	59	606	415	420
acres, 2012	2,858	81,750	152,906	5,061	100,490	159,092	148,308	
	2007	1,249	66,370	131,729	4,194	92,607	149,443	
Nematodes	farms, 2012	1	28	78	12	95	40	39
	2007	-	6	18	5	57	16	12
acres, 2012	(D)	6,331	12,139	95	10,773	9,347	3,734	
	2007	-	1,293	2,901	59	2,795	1,055	
Diseases in crops and orchards	farms, 2012	6	28	120	38	260	72	65
	2007	4	17	80	49	311	26	26
acres, 2012	59	4,825	19,584	2,199	21,980	14,209	11,317	
	2007	244	2,686	12,108	2,814	18,790	4,765	
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2012	4	8	25	23	129	25	9
	2007	1	3	16	28	128	2	4
acres on which used, 2012	24	184	4,743	1,909	10,643	4,948	679	
	2007	(D)	(D)	958	2,411	4,991	(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	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford
Commercial fertilizer, lime, and soil conditionersfarms, 2012	391	122	97	81	135	556	14
.....2007	419	164	128	153	134	677	7
.....acres treated, 2012	124,301	9,040	5,667	5,647	14,062	139,860	238
.....2007	118,627	9,465	5,768	13,745	15,156	187,496	125
Cropland fertilized, except cropland pasturefarms, 2012	378	108	93	78	131	541	11
.....2007	381	137	117	142	116	649	6
.....acres treated, 2012	123,310	8,628	4,993	5,455	13,325	138,999	187
.....2007	117,433	8,895	5,359	12,124	12,471	186,496	61
Pastureland and rangeland fertilizedfarms, 2012	55	23	19	8	26	40	4
.....2007	59	39	18	22	36	61	3
.....acres treated, 2012	991	412	674	192	737	861	51
.....2007	1,194	570	409	1,621	2,685	1,000	64
Manurefarms, 2012	147	59	58	74	97	206	8
.....2007	163	73	70	84	100	287	9
.....acres treated, 2012	12,556	2,180	3,286	3,320	5,565	22,433	(D)
.....2007	11,106	2,297	2,494	3,202	7,259	39,269	99
Acres treated to control--							
Insectsfarms, 2012	185	56	40	18	28	206	4
.....2007	153	44	27	13	17	178	2
.....acres, 2012	54,865	1,650	1,028	230	1,556	58,219	13
.....2007	51,215	1,688	701	924	1,541	38,688	(D)
Weeds, grass, or brushfarms, 2012	362	92	61	51	98	559	6
.....2007	297	103	60	34	60	558	5
.....acres, 2012	128,657	6,413	2,991	1,484	10,413	165,371	30
.....2007	110,200	5,607	1,972	1,000	5,160	177,511	32
Nematodesfarms, 2012	56	10	7	6	7	47	1
.....2007	19	2	-	3	2	26	-
.....acres, 2012	10,830	84	31	20	59	4,477	(D)
.....2007	5,315	(D)	-	36	(D)	5,190	-
Diseases in crops and orchardsfarms, 2012	73	22	13	7	14	86	1
.....2007	42	18	14	4	7	43	1
.....acres, 2012	15,606	862	62	21	537	16,000	(D)
.....2007	15,806	908	279	37	52	4,221	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	20	10	9	3	7	14	-
.....2007	18	8	3	2	3	10	-
.....acres on which used, 2012	5,547	116	36	(D)	(D)	613	-
.....2007	5,155	432	10	(D)	8	325	-
Item	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic
Commercial fertilizer, lime, and soil conditionersfarms, 2012	124	56	534	116	333	173	11
.....2007	138	61	556	129	413	209	15
.....acres treated, 2012	16,764	4,754	131,223	4,876	75,541	20,251	712
.....2007	17,709	4,567	137,188	9,395	80,120	19,761	(D)
Cropland fertilized, except cropland pasturefarms, 2012	115	49	515	102	316	167	11
.....2007	124	56	531	119	394	190	14
.....acres treated, 2012	13,982	4,473	129,643	4,532	75,053	19,428	(D)
.....2007	15,408	4,486	135,795	8,957	79,466	18,871	(D)
Pastureland and rangeland fertilizedfarms, 2012	33	16	68	22	30	36	2
.....2007	38	8	73	22	52	30	2
.....acres treated, 2012	2,782	281	1,580	344	488	823	(D)
.....2007	2,301	81	1,393	438	654	890	(D)
Manurefarms, 2012	68	23	207	75	101	87	13
.....2007	71	29	207	74	151	94	16
.....acres treated, 2012	4,438	1,390	11,640	1,390	6,865	3,940	210
.....2007	5,073	1,441	11,420	2,834	9,700	2,368	247
Acres treated to control--							
Insectsfarms, 2012	39	18	264	42	137	42	1
.....2007	34	14	156	19	123	24	2
.....acres, 2012	2,414	737	47,529	1,220	21,123	3,888	(D)
.....2007	2,671	925	31,904	563	6,989	2,120	(D)
Weeds, grass, or brushfarms, 2012	98	44	509	89	321	131	6
.....2007	78	35	431	51	286	101	5
.....acres, 2012	10,161	2,933	146,976	3,084	79,653	15,913	516
.....2007	8,054	2,479	134,767	3,760	70,092	13,977	75
Nematodesfarms, 2012	6	6	36	5	33	6	-
.....2007	1	1	12	1	15	5	-
.....acres, 2012	274	387	3,966	(D)	3,784	433	-
.....2007	(D)	(D)	365	(D)	1,427	50	-
Diseases in crops and orchardsfarms, 2012	22	11	57	23	57	16	-
.....2007	20	4	49	8	41	7	1
.....acres, 2012	1,298	572	8,688	123	5,417	1,773	-
.....2007	512	430	5,947	259	1,174	114	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	14	6	15	4	18	5	-
.....2007	12	6	4	2	13	2	-
.....acres on which used, 2012	499	(D)	396	29	861	(D)	-
.....2007	433	297	(D)	(D)	523	(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	Grand Traverse	Griot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Commercial fertilizer, lime, and soil conditioners	farms, 2012 255	487	540	71	731	417	540	106
	2007 299	584	609	63	795	451	600	120
	acres treated, 2012 24,351	201,967	148,098	2,401	321,755	129,050	157,333	11,051
	2007 27,068	213,476	150,953	3,080	336,453	127,127	153,219	15,901
Cropland fertilized, except cropland pasture	farms, 2012 247	475	524	66	719	391	524	97
	2007 280	565	581	56	782	407	584	114
	acres treated, 2012 23,180	201,296	147,141	2,258	321,372	128,311	156,340	10,837
	2007 26,348	212,804	149,177	2,821	335,625	125,874	152,443	15,798
Pastureland and rangeland fertilized	farms, 2012 23	20	59	11	30	48	45	15
	2007 42	38	78	15	28	81	56	7
	acres treated, 2012 1,171	671	957	143	383	739	993	214
	2007 720	672	1,776	259	828	1,253	776	103
Manure	farms, 2012 98	159	212	38	289	149	271	54
	2007 114	197	269	39	350	217	297	56
	acres treated, 2012 5,163	28,097	16,535	1,604	59,570	10,659	35,984	3,569
	2007 3,582	27,542	18,509	675	54,166	14,304	31,615	4,109
Acres treated to control--								
Insects	farms, 2012 180	206	239	31	452	145	295	24
	2007 178	163	198	17	340	121	236	11
	acres, 2012 8,449	65,157	56,064	211	189,723	31,439	58,402	1,048
	2007 11,238	56,317	40,759	134	102,824	29,101	40,769	379
Weeds, grass, or brush	farms, 2012 229	469	527	48	732	393	535	71
	2007 203	444	484	26	629	304	454	57
	acres, 2012 19,610	219,385	160,592	1,548	357,488	143,626	165,484	9,229
	2007 17,572	192,285	139,346	899	294,112	113,362	127,429	10,722
Nematodes	farms, 2012 52	39	64	10	107	21	43	4
	2007 36	21	21	2	19	18	23	-
	acres, 2012 1,464	11,480	12,454	101	24,686	1,520	9,753	12
	2007 953	5,398	3,295	(D)	4,944	661	2,099	-
Diseases in crops and orchards	farms, 2012 142	78	60	15	219	58	98	11
	2007 123	34	38	9	157	35	39	6
	acres, 2012 6,634	18,317	6,427	112	77,195	8,084	15,299	467
	2007 6,948	10,064	3,614	28	45,942	2,908	2,782	36
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2012 97	16	11	7	130	14	13	3
	2007 90	7	7	2	77	11	17	2
	acres on which used, 2012 6,249	3,756	438	88	27,612	355	1,665	45
	2007 4,914	340	538	(D)	14,900	40	1,056	(D)
Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake
Commercial fertilizer, lime, and soil conditioners	farms, 2012 34	420	418	326	76	528	-	51
	2007 28	482	495	411	92	584	2	61
	acres treated, 2012 2,516	100,308	100,468	87,688	5,472	84,666	-	4,645
	2007 3,273	111,157	102,458	93,306	5,444	93,998	(D)	2,131
Cropland fertilized, except cropland pasture	farms, 2012 33	403	403	301	65	487	-	42
	2007 24	464	461	393	82	529	-	54
	acres treated, 2012 (D)	99,107	99,076	87,256	5,051	83,376	-	4,296
	2007 2,821	110,263	100,730	92,813	5,001	92,328	-	1,945
Pastureland and rangeland fertilized	farms, 2012 2	41	49	42	16	73	-	13
	2007 9	55	73	45	19	95	2	15
	acres treated, 2012 (D)	1,201	1,392	432	421	1,290	-	349
	2007 452	894	1,728	493	443	1,670	(D)	186
Manure	farms, 2012 9	213	153	118	28	209	2	42
	2007 22	236	206	137	48	247	4	23
	acres treated, 2012 215	16,929	10,156	9,560	607	15,858	(D)	2,222
	2007 616	16,199	13,741	8,579	1,106	20,687	(D)	1,516
Acres treated to control--								
Insects	farms, 2012 8	129	201	195	24	310	-	10
	2007 6	113	152	194	21	279	-	14
	acres, 2012 583	36,639	51,671	51,042	2,065	52,283	-	129
	2007 359	28,040	33,188	43,018	2,326	42,483	-	234
Weeds, grass, or brush	farms, 2012 20	389	367	308	44	480	-	46
	2007 11	366	376	284	31	416	-	24
	acres, 2012 1,695	109,026	104,488	95,374	4,924	89,345	-	4,095
	2007 792	92,493	93,073	80,797	1,345	82,802	-	1,042
Nematodes	farms, 2012 4	22	27	33	5	48	-	1
	2007 1	8	15	12	1	16	-	-
	acres, 2012 262	18,228	13,536	4,196	1,714	9,479	-	(D)
	2007 (D)	1,149	1,962	1,681	(D)	2,412	-	-
Diseases in crops and orchards	farms, 2012 7	75	58	84	12	170	-	1
	2007 5	32	25	79	6	138	-	6
	acres, 2012 423	15,021	9,860	23,423	2,041	19,616	-	(D)
	2007 343	4,032	3,392	5,750	(D)	11,157	-	43
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2012 4	10	12	52	5	85	-	2
	2007 3	5	8	41	1	89	-	4
	acres on which used, 2012 262	1,873	737	3,657	1,715	9,182	-	(D)
	2007 (D)	108	407	294	(D)	6,977	-	38

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

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

Item	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee
Commercial fertilizer, lime, and soil conditionersfarms, 2012	471	285	684	282	10	28	244	122
.....farms, 2007	503	302	740	316	16	29	240	170
.....acres treated, 2012	95,096	19,024	204,988	42,737	1,023	2,704	42,932	8,385
.....acres treated, 2007	92,753	22,094	232,049	50,652	678	2,289	41,971	9,543
Cropland fertilized, except cropland pasturefarms, 2012	448	253	676	252	10	20	240	116
.....farms, 2007	466	291	717	287	16	24	230	162
.....acres treated, 2012	94,636	18,628	204,481	42,358	1,023	2,344	42,801	8,197
.....acres treated, 2007	91,761	21,773	231,231	50,175	678	2,210	41,775	9,170
Pastureland and rangeland fertilizedfarms, 2012	49	21	39	37	-	12	13	13
.....farms, 2007	65	26	56	47	-	5	20	20
.....acres treated, 2012	460	396	507	379	-	360	131	188
.....acres treated, 2007	992	321	818	477	-	79	196	373
Manurefarms, 2012	206	83	160	105	10	28	52	60
.....farms, 2007	264	83	217	116	2	16	71	74
.....acres treated, 2012	12,224	2,298	18,886	5,908	198	1,727	1,458	1,172
.....acres treated, 2007	11,954	2,800	15,836	4,826	(D)	1,858	3,435	1,969
Acres treated to control--								
Insectsfarms, 2012	178	231	341	114	5	3	127	57
.....farms, 2007	145	221	277	82	7	3	92	59
.....acres, 2012	21,213	15,458	88,974	12,934	(D)	25	16,118	2,243
.....acres, 2007	15,206	16,789	64,458	5,744	(D)	28	8,182	3,635
Weeds, grass, or brushfarms, 2012	448	268	676	253	8	23	239	114
.....farms, 2007	352	222	629	194	4	10	177	83
.....acres, 2012	103,406	17,731	230,121	47,199	894	1,823	48,877	7,326
.....acres, 2007	76,439	16,237	215,186	43,441	586	673	36,255	5,559
Nematodesfarms, 2012	38	58	67	27	-	2	39	16
.....farms, 2007	7	30	43	10	-	-	2	5
.....acres, 2012	2,594	2,599	15,753	1,951	-	(D)	5,091	201
.....acres, 2007	502	280	5,983	140	-	-	(D)	286
Diseases in crops and orchardsfarms, 2012	83	185	131	51	4	2	74	29
.....farms, 2007	52	169	77	31	3	1	52	33
.....acres, 2012	9,694	12,159	27,936	3,005	(D)	(D)	3,987	1,122
.....acres, 2007	4,660	13,634	8,397	694	(D)	(D)	2,540	1,822
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	27	152	17	7	-	-	19	13
.....farms, 2007	13	126	15	6	-	-	18	25
.....acres on which used, 2012	2,224	12,085	1,761	29	-	-	1,114	622
.....acres on which used, 2007	148	10,283	775	85	-	-	368	999
Item	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Commercial fertilizer, lime, and soil conditionersfarms, 2012	58	193	318	167	248	171	647	525
.....farms, 2007	40	213	374	209	238	174	704	557
.....acres treated, 2012	3,918	36,761	49,243	29,046	44,054	48,620	156,596	135,536
.....acres treated, 2007	4,644	35,044	40,215	37,019	52,787	36,327	163,352	140,329
Cropland fertilized, except cropland pasturefarms, 2012	49	186	306	165	235	157	632	503
.....farms, 2007	38	204	354	202	232	167	672	544
.....acres treated, 2012	3,621	36,352	48,150	28,252	43,652	47,559	156,361	134,373
.....acres treated, 2007	4,579	34,756	38,910	36,017	52,565	35,452	162,987	139,769
Pastureland and rangeland fertilizedfarms, 2012	17	19	34	21	25	27	32	60
.....farms, 2007	7	24	61	22	26	14	48	43
.....acres treated, 2012	297	409	1,093	794	402	1,061	235	1,163
.....acres treated, 2007	65	288	1,305	1,002	222	875	365	560
Manurefarms, 2012	31	74	178	97	66	117	83	225
.....farms, 2007	30	85	219	118	86	118	160	278
.....acres treated, 2012	1,427	8,546	11,415	10,771	2,489	25,803	5,582	19,973
.....acres treated, 2007	1,287	9,851	16,593	16,116	3,787	18,360	2,643	22,209
Acres treated to control--								
Insectsfarms, 2012	22	108	75	26	90	79	344	207
.....farms, 2007	9	118	54	31	73	60	266	162
.....acres, 2012	467	18,024	15,564	3,745	18,402	22,630	68,166	60,506
.....acres, 2007	561	16,414	9,704	2,158	11,620	15,510	54,297	54,407
Weeds, grass, or brushfarms, 2012	30	181	287	136	226	162	663	463
.....farms, 2007	15	167	232	125	166	116	564	387
.....acres, 2012	1,584	36,573	42,831	22,401	52,152	37,788	179,572	139,887
.....acres, 2007	1,208	26,033	25,239	18,847	42,483	24,973	148,492	111,577
Nematodesfarms, 2012	9	16	19	5	12	9	96	41
.....farms, 2007	1	9	2	3	11	3	54	27
.....acres, 2012	25	639	5,396	70	153	1,694	20,956	18,629
.....acres, 2007	(D)	547	(D)	55	1,877	79	6,242	12,361
Diseases in crops and orchardsfarms, 2012	12	55	33	11	29	26	133	86
.....farms, 2007	1	59	13	6	23	9	86	56
.....acres, 2012	229	9,596	5,653	147	6,224	4,636	28,008	30,474
.....acres, 2007	(D)	5,259	(D)	16	2,453	171	9,837	14,286
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	-	13	9	1	11	4	21	41
.....farms, 2007	1	22	10	3	4	8	14	32
.....acres on which used, 2012	-	2,959	2,345	(D)	84	(D)	11,101	19,371
.....acres on which used, 2007	(D)	2,933	(D)	52	8	145	3,185	9,691

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

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

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
Commercial fertilizer, lime, and soil conditioners farms, 2012	42	210	399	113	327	125	18	242
..... 2007	49	225	443	166	376	132	30	255
..... acres treated, 2012	5,831	34,121	55,083	8,696	58,263	25,986	761	26,034
..... 2007	4,703	40,734	55,459	8,531	57,002	21,611	2,811	24,673
Cropland fertilized, except cropland pasture farms, 2012	36	199	377	84	314	123	16	237
..... 2007	47	203	424	130	347	124	27	233
..... acres treated, 2012	5,628	33,874	54,408	8,183	57,862	25,641	(D)	25,223
..... 2007	(D)	40,066	54,419	8,009	55,602	20,882	2,595	23,430
Pastureland and rangeland fertilized farms, 2012	10	23	39	34	30	5	3	35
..... 2007	2	40	57	48	48	11	4	50
..... acres treated, 2012	203	247	675	513	401	345	(D)	811
..... 2007	(D)	668	1,040	522	1,400	729	216	1,243
Manure farms, 2012	28	97	223	73	134	73	14	165
..... 2007	26	130	234	84	145	73	21	170
..... acres treated, 2012	1,302	6,437	19,187	3,122	11,010	9,600	632	13,461
..... 2007	1,303	20,585	17,718	981	9,324	9,194	1,606	13,332
Acres treated to control--								
Insects farms, 2012	14	108	134	61	229	28	6	56
..... 2007	9	95	136	45	212	30	5	40
..... acres, 2012	1,551	13,723	20,382	2,633	41,243	7,989	111	3,828
..... 2007	1,455	17,152	20,196	1,440	36,707	2,721	354	2,960
Weeds, grass, or brush farms, 2012	31	175	312	108	305	92	12	170
..... 2007	24	146	278	103	269	80	12	132
..... acres, 2012	5,154	35,593	50,593	8,973	58,707	20,182	293	16,632
..... 2007	3,485	32,174	39,410	6,110	41,145	11,172	388	9,922
Nematodes farms, 2012	-	23	23	11	62	2	4	17
..... 2007	-	9	13	7	25	4	-	1
..... acres, 2012	-	1,004	4,209	156	5,851	(D)	46	918
..... 2007	-	521	1,675	88	1,794	569	-	(D)
Diseases in crops and orchards farms, 2012	2	53	54	23	155	10	4	24
..... 2007	2	35	45	30	134	8	-	10
..... acres, 2012	(D)	5,508	7,572	777	22,089	2,578	46	618
..... 2007	(D)	5,564	7,466	310	22,697	(D)	-	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	2	14	23	6	87	5	1	7
..... 2007	-	16	18	14	76	2	3	5
..... acres on which used, 2012	(D)	2,134	3,103	(D)	15,422	(D)	(D)	(D)
..... 2007	-	2,178	1,402	243	8,634	(D)	3	(D)
Item	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph
Commercial fertilizer, lime, and soil conditioners farms, 2012	45	65	738	125	11	748	488	530
..... 2007	56	85	762	151	19	915	488	516
..... acres treated, 2012	3,845	5,436	107,013	23,612	435	217,849	112,784	154,109
..... 2007	4,858	6,100	95,464	23,125	253	236,508	103,677	153,657
Cropland fertilized, except cropland pasture farms, 2012	40	55	713	114	8	741	477	502
..... 2007	49	76	732	145	16	908	457	495
..... acres treated, 2012	3,552	4,982	106,254	23,178	341	217,736	112,285	153,338
..... 2007	3,533	5,577	94,322	22,514	198	236,301	102,823	152,489
Pastureland and rangeland fertilized farms, 2012	17	13	74	16	4	17	37	77
..... 2007	19	12	86	29	4	20	57	72
..... acres treated, 2012	293	454	759	434	94	113	499	771
..... 2007	1,325	523	1,142	611	55	207	854	1,168
Manure farms, 2012	45	35	319	66	13	114	153	207
..... 2007	49	42	363	66	4	184	194	187
..... acres treated, 2012	2,121	905	29,282	3,467	280	7,816	4,763	18,672
..... 2007	2,365	1,206	33,601	3,891	95	8,887	8,873	8,411
Acres treated to control--								
Insects farms, 2012	9	20	460	48	3	305	171	302
..... 2007	5	12	430	47	4	264	100	247
..... acres, 2012	(D)	1,509	52,046	10,094	6	65,338	24,436	109,006
..... 2007	5	976	36,634	8,984	18	48,166	9,180	82,002
Weeds, grass, or brush farms, 2012	34	52	659	115	6	748	490	449
..... 2007	15	40	551	92	3	704	346	358
..... acres, 2012	1,681	4,604	108,677	25,167	91	241,146	125,533	166,024
..... 2007	1,215	3,018	73,175	11,180	35	212,366	95,597	130,230
Nematodes farms, 2012	3	7	106	6	1	112	45	55
..... 2007	-	4	37	2	-	59	21	37
..... acres, 2012	23	(D)	8,765	(D)	(D)	11,912	9,948	15,706
..... 2007	-	285	2,340	(D)	(D)	9,261	1,298	10,155
Diseases in crops and orchards farms, 2012	3	14	239	18	3	152	73	128
..... 2007	2	5	198	18	1	103	40	66
..... acres, 2012	23	1,373	21,343	3,476	34	26,791	7,105	47,154
..... 2007	(D)	203	10,214	3,045	(D)	11,127	673	29,282
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	1	5	90	11	2	30	11	32
..... 2007	-	2	83	10	-	29	13	9
..... acres on which used, 2012	(D)	(D)	5,598	1,650	(D)	4,327	196	12,656
..... 2007	-	(D)	3,338	689	-	1,538	151	(D)

--continued

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

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

Item	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Commercial fertilizer, lime, and soil conditionersfarms, 2012	850	17	524	676	577	521	125	120
.....farms, 2007	845	28	588	711	693	579	126	167
.....acres treated, 2012	292,965	929	149,166	200,882	98,375	99,657	7,350	8,926
.....acres treated, 2007	307,178	4,624	163,824	237,309	99,032	102,250	9,068	11,206
Cropland fertilized, except cropland pasturefarms, 2012	829	16	512	653	559	497	117	115
.....farms, 2007	828	24	570	682	671	542	121	147
.....acres treated, 2012	291,803	(D)	148,998	199,703	97,790	99,211	7,292	8,683
.....acres treated, 2007	305,616	4,274	163,462	235,688	98,320	101,548	8,971	10,747
Pastureland and rangeland fertilizedfarms, 2012	56	2	29	72	46	38	12	19
.....farms, 2007	66	8	39	76	49	65	7	38
.....acres treated, 2012	1,162	(D)	168	1,179	585	446	58	243
.....acres treated, 2007	1,562	350	362	1,621	712	702	97	459
Manurefarms, 2012	355	8	178	240	116	234	48	69
.....farms, 2007	392	16	212	273	164	293	32	82
.....acres treated, 2012	45,165	251	8,496	20,317	5,227	8,598	355	1,816
.....acres treated, 2007	37,637	313	13,614	20,124	11,939	9,278	295	2,227
Acres treated to control--								
Insectsfarms, 2012	384	16	227	298	460	295	66	55
.....farms, 2007	277	14	113	229	475	236	56	31
.....acres, 2012	132,792	527	45,537	95,406	64,113	48,089	2,377	3,430
.....acres, 2007	66,007	1,143	22,346	69,247	51,699	30,312	2,488	3,726
Weeds, grass, or brushfarms, 2012	800	21	517	630	569	503	107	96
.....farms, 2007	686	18	466	535	525	419	72	70
.....acres, 2012	333,894	1,290	161,846	231,974	100,058	107,766	8,736	6,550
.....acres, 2007	275,435	2,913	143,023	214,129	70,106	80,469	8,432	6,216
Nematodesfarms, 2012	70	4	34	59	139	68	19	6
.....farms, 2007	28	-	27	14	48	15	12	4
.....acres, 2012	10,481	19	6,506	8,164	20,949	8,167	598	32
.....acres, 2007	8,934	-	4,717	1,334	1,229	1,288	1,011	156
Diseases in crops and orchardsfarms, 2012	151	6	76	157	305	128	35	18
.....farms, 2007	95	5	36	81	241	77	25	12
.....acres, 2012	48,620	278	9,769	39,904	22,745	12,991	716	356
.....acres, 2007	17,548	24	2,337	19,275	22,423	2,846	450	103
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	52	3	18	59	143	14	9	8
.....farms, 2007	32	-	10	32	99	28	9	3
.....acres on which used, 2012	6,613	134	1,662	11,525	8,092	206	94	117
.....acres on which used, 2007	3,642	-	702	7,615	3,659	395	78	36