

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007

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

Item	California	Alameda	Alpine	Amador	Butte	Calaveras	Colusa
Commercial fertilizer, lime, and soil conditioners farms, 2012	32,646	88	1	111	972	109	568
..... 2007	43,321	159	-	157	1,251	124	588
..... acres treated, 2012	6,314,533	9,675	(D)	7,763	176,608	1,938	218,126
..... 2007	6,728,011	9,867	-	6,348	181,135	3,625	229,193
Cropland fertilized, except cropland pasture farms, 2012	31,244	78	1	94	937	95	557
..... 2007	41,286	151	-	137	1,202	114	574
..... acres treated, 2012	6,167,491	2,223	(D)	4,791	176,175	1,273	216,767
..... 2007	6,581,577	7,249	-	5,698	179,081	1,770	224,533
Pastureland and rangeland fertilized farms, 2012	1,918	10	-	18	43	14	14
..... 2007	2,600	10	-	23	70	13	16
..... acres treated, 2012	147,042	7,452	-	2,972	433	665	1,359
..... 2007	146,434	2,618	-	650	2,054	1,855	4,660
Manure farms, 2012	6,794	31	-	35	110	36	31
..... 2007	6,686	17	1	21	110	39	41
..... acres treated, 2012	712,975	889	-	913	2,465	141	5,281
..... 2007	645,305	247	(D)	1,031	4,674	1,122	9,870
Acres treated to control--							
Insects farms, 2012	25,064	57	-	70	809	75	490
..... 2007	30,850	112	-	111	924	69	434
..... acres, 2012	5,293,093	5,654	-	3,433	169,999	1,909	179,680
..... 2007	5,780,492	6,457	-	5,042	146,735	1,885	166,589
Weeds, grass, or brush farms, 2012	32,402	99	-	135	1,015	137	545
..... 2007	30,656	144	1	138	972	122	497
..... acres, 2012	6,116,162	4,574	-	6,836	176,540	2,689	189,201
..... 2007	4,819,747	4,813	(D)	4,956	158,149	2,002	170,606
Nematodes farms, 2012	4,485	6	-	9	125	8	40
..... 2007	3,012	15	-	11	84	2	30
..... acres, 2012	725,589	97	-	76	6,905	29	20,584
..... 2007	412,659	114	-	140	7,917	(D)	10,390
Diseases in crops and orchards farms, 2012	14,196	36	-	65	636	32	300
..... 2007	14,877	68	-	56	633	52	254
..... acres, 2012	2,038,769	518	-	1,810	90,197	491	83,095
..... 2007	2,168,502	3,246	-	1,632	90,749	495	64,594
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	9,810	30	-	35	269	22	75
..... 2007	7,018	26	-	41	113	20	34
..... acres on which used, 2012	1,460,135	1,077	-	943	19,880	1,096	7,826
..... 2007	1,237,257	447	-	729	12,785	245	8,791
Item	Contra Costa	Del Norte	El Dorado	Fresno	Glenn	Humboldt	Imperial
Commercial fertilizer, lime, and soil conditioners farms, 2012	153	20	358	3,083	768	200	286
..... 2007	218	26	498	4,024	750	194	332
..... acres treated, 2012	20,743	2,432	2,920	817,742	194,712	3,091	378,191
..... 2007	20,816	2,961	4,060	925,804	195,963	6,269	330,122
Cropland fertilized, except cropland pasture farms, 2012	144	18	312	3,039	723	175	279
..... 2007	207	17	433	3,939	712	155	324
..... acres treated, 2012	20,498	1,655	1,922	806,183	192,811	1,628	376,552
..... 2007	17,885	1,789	3,441	922,480	190,096	3,870	330,064
Pastureland and rangeland fertilized farms, 2012	9	5	58	71	58	31	11
..... 2007	12	13	77	109	57	44	10
..... acres treated, 2012	245	777	998	11,559	1,901	1,463	1,639
..... 2007	2,931	1,172	619	3,324	5,867	2,399	58
Manure farms, 2012	30	18	161	639	85	153	53
..... 2007	33	13	131	561	96	102	87
..... acres treated, 2012	319	1,743	1,472	71,200	6,879	3,965	21,495
..... 2007	645	999	819	72,928	5,999	3,351	21,765
Acres treated to control--							
Insects farms, 2012	107	17	248	2,955	629	98	221
..... 2007	137	7	287	4,001	647	35	251
..... acres, 2012	13,181	330	1,617	727,171	167,330	913	322,713
..... 2007	12,719	353	3,409	903,987	141,999	1,144	277,518
Weeds, grass, or brush farms, 2012	178	12	456	3,272	774	130	245
..... 2007	159	8	432	3,164	671	58	225
..... acres, 2012	32,223	651	3,847	777,797	196,886	2,138	301,320
..... 2007	12,485	569	4,714	643,140	160,151	2,382	213,794
Nematodes farms, 2012	30	9	36	602	60	25	57
..... 2007	2	4	17	355	21	1	21
..... acres, 2012	3,680	240	(D)	110,150	16,005	168	34,885
..... 2007	(D)	348	148	41,172	4,185	(D)	13,892
Diseases in crops and orchards farms, 2012	80	13	220	1,335	407	74	45
..... 2007	75	4	219	1,510	347	39	37
..... acres, 2012	5,271	244	1,253	290,199	117,751	470	34,187
..... 2007	3,639	348	1,963	318,567	82,225	128	16,428
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	37	-	115	1,634	203	10	22
..... 2007	25	1	91	1,370	136	8	20
..... acres on which used, 2012	4,210	-	1,147	303,441	50,409	82	5,429
..... 2007	476	(D)	860	270,845	16,139	48	9,516

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

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

Item	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera
Commercial fertilizer, lime, and soil conditionersfarms, 2012	24	814	604	198	127	313	694
.....farms, 2007	18	1,069	690	487	122	474	990
.....acres treated, 2012	7,073	554,170	354,291	7,573	23,699	32,913	228,389
.....acres treated, 2007	2,358	700,240	392,321	13,497	25,127	19,624	236,840
Cropland fertilized, except cropland pasturefarms, 2012	22	788	576	189	109	305	684
.....farms, 2007	15	1,034	667	468	108	452	958
.....acres treated, 2012	5,468	553,616	353,800	7,317	21,358	(D)	225,858
.....acres treated, 2007	1,818	699,482	391,912	12,938	23,579	18,170	231,661
Pastureland and rangeland fertilizedfarms, 2012	7	31	47	14	29	9	12
.....farms, 2007	6	39	37	22	28	23	36
.....acres treated, 2012	1,605	554	491	256	2,341	(D)	2,531
.....acres treated, 2007	540	758	409	559	1,548	1,454	5,179
Manurefarms, 2012	14	127	205	69	23	70	113
.....farms, 2007	7	144	193	54	24	82	114
.....acres treated, 2012	(D)	51,832	36,101	839	3,511	3,474	30,486
.....acres treated, 2007	498	61,313	44,718	954	707	1,318	19,495
Acres treated to control--							
Insectsfarms, 2012	6	728	454	157	36	248	622
.....farms, 2007	2	945	543	229	37	252	971
.....acres, 2012	3,506	520,133	310,013	6,795	11,381	26,726	213,431
.....acres, 2007	(D)	662,484	337,985	12,376	14,241	16,547	228,494
Weeds, grass, or brushfarms, 2012	19	825	603	199	124	236	702
.....farms, 2007	15	735	481	196	119	229	766
.....acres, 2012	4,096	610,938	371,830	9,371	26,532	30,231	197,240
.....acres, 2007	7,160	479,518	278,025	7,611	24,595	16,992	152,691
Nematodesfarms, 2012	1	167	75	26	1	34	95
.....farms, 2007	1	120	32	10	2	24	76
.....acres, 2012	(D)	128,014	21,492	1,306	(D)	14,025	15,909
.....acres, 2007	(D)	82,647	12,632	823	(D)	3,436	8,078
Diseases in crops and orchardsfarms, 2012	1	380	135	93	10	103	370
.....farms, 2007	1	471	146	101	8	108	448
.....acres, 2012	(D)	217,275	36,790	5,519	2,110	2,783	107,553
.....acres, 2007	(D)	353,116	46,109	6,950	(D)	4,437	102,407
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	-	415	154	102	2	55	331
.....farms, 2007	1	383	171	43	1	24	200
.....acres on which used, 2012	-	269,863	122,352	5,021	(D)	912	33,072
.....acres on which used, 2007	(D)	336,262	145,257	1,430	(D)	1,267	33,371
Item	Marin	Mariposa	Mendocino	Merced	Modoc	Mono	Monterey
Commercial fertilizer, lime, and soil conditionersfarms, 2012	57	36	358	1,401	138	7	471
.....farms, 2007	51	33	510	1,675	162	12	611
.....acres treated, 2012	9,535	727	22,148	390,625	83,194	3,312	254,521
.....acres treated, 2007	5,845	430	21,755	413,483	44,789	3,985	214,139
Cropland fertilized, except cropland pasturefarms, 2012	39	27	338	1,350	125	7	460
.....farms, 2007	42	20	482	1,612	145	12	596
.....acres treated, 2012	1,268	404	16,337	386,777	68,914	3,312	253,566
.....acres treated, 2007	2,036	189	20,467	407,174	43,401	3,985	211,761
Pastureland and rangeland fertilizedfarms, 2012	18	9	25	65	31	-	15
.....farms, 2007	9	13	36	83	30	-	23
.....acres treated, 2012	8,267	323	5,811	3,848	14,280	-	955
.....acres treated, 2007	3,809	241	1,288	6,309	1,388	-	2,378
Manurefarms, 2012	55	24	107	446	23	7	66
.....farms, 2007	34	22	107	470	22	-	65
.....acres treated, 2012	9,451	245	1,008	123,155	6,608	490	12,306
.....acres treated, 2007	5,372	346	2,084	83,556	1,672	-	4,357
Acres treated to control--							
Insectsfarms, 2012	29	15	202	1,152	62	9	423
.....farms, 2007	19	16	241	1,535	70	7	443
.....acres, 2012	524	260	8,913	328,774	51,393	5,015	234,354
.....acres, 2007	1,136	157	21,155	380,031	27,215	2,247	218,168
Weeds, grass, or brushfarms, 2012	41	39	280	1,427	130	12	417
.....farms, 2007	27	46	234	1,334	129	10	327
.....acres, 2012	1,989	677	14,306	392,999	80,886	5,759	155,322
.....acres, 2007	2,136	1,159	18,867	308,598	38,303	3,548	125,399
Nematodesfarms, 2012	7	3	47	223	10	-	128
.....farms, 2007	1	1	32	205	13	-	90
.....acres, 2012	53	48	774	51,607	3,558	-	45,516
.....acres, 2007	(D)	(D)	1,119	15,049	2,100	-	46,543
Diseases in crops and orchardsfarms, 2012	23	10	163	604	7	-	199
.....farms, 2007	12	8	160	701	17	2	188
.....acres, 2012	465	252	10,691	122,338	1,454	-	73,325
.....acres, 2007	115	52	11,248	127,492	2,988	(D)	65,500
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	3	2	111	376	6	-	88
.....farms, 2007	-	1	56	226	8	1	44
.....acres on which used, 2012	347	(D)	4,699	79,583	818	-	8,840
.....acres on which used, 2007	-	(D)	1,637	68,088	(D)	(D)	8,437

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

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

Item	Napa	Nevada	Orange	Placer	Plumas	Riverside	Sacramento
Commercial fertilizer, lime, and soil conditioners farms, 2012	788	158	122	314	17	1,054	392
..... 2007	1,214	172	148	463	19	1,704	452
..... acres treated, 2012	34,201	1,439	9,471	18,786	5,288	135,080	73,293
..... 2007	43,832	2,576	7,441	22,329	4,648	151,979	97,228
Cropland fertilized, except cropland pasture farms, 2012	788	136	118	233	15	1,033	356
..... 2007	1,203	125	146	334	11	1,647	398
..... acres treated, 2012	34,146	548	9,380	15,337	(D)	134,745	67,882
..... 2007	43,466	1,698	7,430	19,092	4,347	151,504	93,319
Pastureland and rangeland fertilized farms, 2012	4	24	6	92	2	24	43
..... 2007	21	52	3	143	8	63	67
..... acres treated, 2012	55	891	91	3,449	(D)	335	5,411
..... 2007	366	878	11	3,237	301	475	3,909
Manure farms, 2012	107	76	20	132	4	244	104
..... 2007	65	97	8	127	20	228	127
..... acres treated, 2012	5,874	557	101	1,926	395	21,235	4,408
..... 2007	1,950	637	294	3,190	(D)	11,891	7,713
Acres treated to control--							
Insects farms, 2012	690	88	94	184	9	650	305
..... 2007	806	52	113	172	2	960	266
..... acres, 2012	30,694	346	7,961	10,212	(D)	122,163	45,396
..... 2007	48,405	373	6,784	9,265	(D)	125,480	77,071
Weeds, grass, or brush farms, 2012	762	171	108	326	26	871	421
..... 2007	821	125	96	313	28	894	350
..... acres, 2012	36,319	982	7,876	13,487	8,481	128,029	68,620
..... 2007	30,092	2,047	5,105	11,816	5,035	102,574	88,706
Nematodes farms, 2012	176	12	18	16	4	95	51
..... 2007	156	5	17	14	-	69	29
..... acres, 2012	4,855	49	1,003	591	20	18,180	2,280
..... 2007	3,284	5	1,076	187	-	21,391	9,122
Diseases in crops and orchards farms, 2012	559	79	60	95	4	294	135
..... 2007	629	45	58	86	-	354	121
..... acres, 2012	24,642	220	3,443	4,416	(D)	29,431	21,123
..... 2007	28,423	191	2,720	3,498	-	29,306	27,855
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	375	15	15	31	-	290	55
..... 2007	215	18	12	25	-	212	44
..... acres on which used, 2012	14,038	143	341	239	-	42,779	9,903
..... 2007	13,439	100	799	762	-	33,849	7,851

Item	San Benito	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara
Commercial fertilizer, lime, and soil conditioners farms, 2012	160	323	2,602	-	1,978	997	111	755
..... 2007	221	520	4,309	4	2,411	1,266	87	957
..... acres treated, 2012	16,904	13,595	35,051	-	365,902	90,570	2,198	79,242
..... 2007	24,861	18,261	58,108	4	404,608	101,057	3,415	79,694
Cropland fertilized, except cropland pasture farms, 2012	149	313	2,582	-	1,915	951	109	727
..... 2007	209	503	4,257	4	2,350	1,183	85	914
..... acres treated, 2012	16,511	13,366	33,272	-	360,659	86,083	(D)	76,660
..... 2007	23,600	17,964	56,107	4	391,762	96,752	3,276	78,070
Pastureland and rangeland fertilized farms, 2012	25	15	34	-	102	77	2	43
..... 2007	15	25	75	-	82	105	4	58
..... acres treated, 2012	393	229	1,779	-	5,243	4,487	(D)	2,582
..... 2007	1,261	297	2,001	-	12,846	4,305	139	1,624
Manure farms, 2012	35	140	352	-	210	202	29	87
..... 2007	34	137	427	-	278	200	22	128
..... acres treated, 2012	860	6,767	3,584	-	21,611	6,743	217	2,669
..... 2007	372	7,858	4,230	-	33,165	4,599	458	2,887
Acres treated to control--								
Insects farms, 2012	116	259	1,190	-	1,786	708	69	519
..... 2007	161	304	1,741	1	2,091	851	54	568
..... acres, 2012	13,860	8,460	25,797	-	314,105	50,571	2,118	70,633
..... 2007	25,166	14,832	46,018	(D)	342,778	78,336	3,009	78,913
Weeds, grass, or brush farms, 2012	162	322	1,948	-	2,135	1,012	101	663
..... 2007	171	343	2,124	-	1,933	918	46	509
..... acres, 2012	15,160	14,524	27,685	-	364,973	81,826	3,309	69,117
..... 2007	16,438	13,868	26,680	-	271,636	76,338	1,692	47,128
Nematodes farms, 2012	14	35	130	-	359	128	24	124
..... 2007	11	14	79	-	284	70	6	59
..... acres, 2012	2,128	502	2,304	-	43,645	13,030	389	14,952
..... 2007	2,720	1,326	2,640	-	21,355	7,414	477	8,359
Diseases in crops and orchards farms, 2012	85	109	631	-	1,056	365	47	278
..... 2007	71	74	720	-	1,164	310	26	225
..... acres, 2012	6,372	2,054	6,957	-	154,393	22,986	795	37,598
..... 2007	5,120	1,164	13,179	-	160,928	24,170	871	25,626
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2012	42	63	435	-	699	266	3	147
..... 2007	34	64	389	-	357	136	4	85
..... acres on which used, 2012	1,663	1,219	6,539	-	78,933	22,658	(D)	10,944
..... 2007	2,003	788	9,592	-	37,066	12,275	(D)	8,123

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

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

Item	Santa Clara	Santa Cruz	Shasta	Sierra	Siskiyou	Solano	Sonoma	Stanislaus
Commercial fertilizer, lime, and soil conditionersfarms, 2012	388	300	329	7	229	271	1,289	2,091
.....farms, 2007	427	390	463	8	288	379	1,812	2,494
.....acres treated, 2012	16,531	28,450	15,644	692	87,533	109,962	53,903	258,756
.....acres treated, 2007	18,235	19,742	18,703	827	67,499	104,301	68,512	287,703
Cropland fertilized, except cropland pasturefarms, 2012	361	296	233	6	189	246	1,246	1,991
.....farms, 2007	407	383	302	8	225	340	1,750	2,330
.....acres treated, 2012	15,997	(D)	13,183	(D)	83,024	99,113	48,846	248,845
.....acres treated, 2007	17,726	19,611	14,145	827	59,987	95,118	59,839	272,620
Pastureland and rangeland fertilizedfarms, 2012	35	10	115	1	71	32	56	134
.....farms, 2007	21	7	184	-	100	48	72	229
.....acres treated, 2012	534	(D)	2,461	(D)	4,509	10,849	5,057	9,911
.....acres treated, 2007	509	131	4,558	-	7,512	9,183	8,673	15,083
Manurefarms, 2012	63	82	98	2	85	54	349	494
.....farms, 2007	66	55	142	2	56	69	290	542
.....acres treated, 2012	400	1,376	1,702	(D)	10,821	7,350	21,062	53,674
.....acres treated, 2007	1,243	754	1,603	(D)	3,970	1,949	16,962	57,323
Acres treated to control--								
Insectsfarms, 2012	310	250	136	2	120	184	778	1,743
.....farms, 2007	235	265	137	-	106	261	1,054	2,108
.....acres, 2012	14,341	22,038	8,316	(D)	44,463	59,677	38,045	226,082
.....acres, 2007	15,218	18,928	3,489	-	33,772	58,850	63,588	265,155
Weeds, grass, or brushfarms, 2012	420	288	295	9	200	338	1,259	2,245
.....farms, 2007	293	166	256	9	174	280	1,271	2,132
.....acres, 2012	18,219	15,553	14,783	1,178	82,752	143,276	50,994	272,224
.....acres, 2007	9,027	8,262	9,333	869	48,829	72,462	50,199	220,704
Nematodesfarms, 2012	78	72	20	-	18	28	193	324
.....farms, 2007	18	32	7	-	14	12	133	264
.....acres, 2012	2,183	7,949	173	-	13,416	4,687	8,279	26,415
.....acres, 2007	1,402	6,085	(D)	-	6,331	1,056	3,830	12,966
Diseases in crops and orchardsfarms, 2012	193	184	91	-	21	120	797	1,142
.....farms, 2007	175	179	53	-	21	142	801	1,167
.....acres, 2012	6,553	8,792	722	-	8,877	20,656	33,804	126,100
.....acres, 2007	4,237	8,692	748	-	7,693	16,018	35,693	128,759
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	70	68	29	-	4	88	392	554
.....farms, 2007	45	48	8	-	2	42	275	203
.....acres on which used, 2012	3,802	2,982	415	-	650	8,849	13,879	48,387
.....acres on which used, 2007	520	1,278	38	-	(D)	6,165	20,676	11,867
Item	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
Commercial fertilizer, lime, and soil conditionersfarms, 2012	879	494	57	2,527	48	1,172	502	333
.....farms, 2007	923	709	50	3,494	72	1,757	528	355
.....acres treated, 2012	224,249	50,123	(D)	429,872	1,698	75,189	216,103	58,363
.....acres treated, 2007	197,758	52,348	915	488,344	1,307	93,052	222,895	55,233
Cropland fertilized, except cropland pasturefarms, 2012	838	434	44	2,496	26	1,164	480	298
.....farms, 2007	894	616	43	3,433	47	1,737	516	310
.....acres treated, 2012	223,199	44,543	201	428,312	240	73,405	214,812	57,320
.....acres treated, 2007	196,612	44,635	690	486,481	517	92,149	221,854	53,846
Pastureland and rangeland fertilizedfarms, 2012	55	81	15	43	22	148	33	50
.....farms, 2007	43	115	8	86	26	29	21	51
.....acres treated, 2012	1,050	5,580	(D)	1,560	1,458	1,784	1,291	1,043
.....acres treated, 2007	1,146	7,713	225	1,863	790	903	1,041	1,387
Manurefarms, 2012	55	86	45	606	33	146	56	67
.....farms, 2007	37	119	28	526	21	139	63	43
.....acres treated, 2012	6,654	4,266	155	119,481	913	4,589	4,041	2,350
.....acres treated, 2007	4,611	5,273	254	110,218	848	2,714	6,938	1,191
Acres treated to control--								
Insectsfarms, 2012	713	347	37	2,398	37	803	361	259
.....farms, 2007	741	464	19	3,148	22	1,225	375	223
.....acres, 2012	196,198	26,680	244	376,841	95	68,929	141,104	52,498
.....acres, 2007	139,403	39,631	(D)	429,218	245	88,959	141,543	35,461
Weeds, grass, or brushfarms, 2012	858	476	40	2,877	69	1,102	530	316
.....farms, 2007	683	508	26	2,995	63	1,197	415	278
.....acres, 2012	210,114	34,490	331	491,634	1,701	66,210	219,336	56,101
.....acres, 2007	155,045	35,762	(D)	368,037	2,342	67,367	185,024	44,751
Nematodesfarms, 2012	73	33	12	373	6	165	48	32
.....farms, 2007	62	19	-	292	4	130	21	21
.....acres, 2012	9,382	733	24	42,110	12	18,553	9,605	1,299
.....acres, 2007	3,195	1,044	-	27,182	67	15,038	1,311	649
Diseases in crops and orchardsfarms, 2012	478	226	28	1,018	18	396	194	152
.....farms, 2007	433	266	13	1,294	12	475	161	137
.....acres, 2012	85,628	16,666	113	101,622	68	34,096	52,513	22,062
.....acres, 2007	54,562	26,384	102	154,821	79	39,633	43,114	18,330
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	239	136	5	1,219	8	295	115	55
.....farms, 2007	107	85	4	1,240	7	232	48	33
.....acres on which used, 2012	28,961	23,880	148	168,631	(D)	14,984	26,473	7,088
.....acres on which used, 2007	7,632	3,436	(D)	113,525	36	13,211	6,567	3,655