

Table 39. Fertilizers and Chemicals Applied: 2002 and 1997

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Kentucky	Adair	Allen	Anderson	Ballard	Barren	Bath
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	49,358	840	576	336	286	1,389	449
1997	67,976	1,243	840	489	336	1,799	766
acres treated, 2002	3,995,943	48,370	45,305	18,240	61,566	76,172	20,812
1997	3,975,148	51,575	40,137	8,435	52,592	84,338	15,366
Cropland fertilized, except cropland pastured farms, 2002	41,923	727	447	274	267	1,024	422
1997	62,024	1,169	733	440	320	1,678	766
acres treated, 2002	2,986,164	30,843	22,255	14,869	57,039	39,781	12,038
1997	3,083,795	33,040	22,200	5,888	50,041	48,003	12,219
Pastureland and rangeland fertilized farms, 2002	21,797	424	412	113	69	921	140
1997	20,407	437	328	84	62	702	75
acres treated, 2002	1,009,779	17,527	23,050	3,371	4,527	36,391	8,774
1997	891,353	18,535	17,937	2,547	2,551	36,335	3,147
Manure farms, 2002	10,769	169	73	94	13	276	39
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	364,471	5,513	1,147	3,549	1,325	13,180	307
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	17,396	204	151	129	52	474	179
1997	26,389	340	356	202	163	873	294
acres treated, 2002	694,573	3,168	1,528	10,840	7,276	12,980	3,729
1997	789,616	6,591	2,137	1,511	9,276	12,980	4,454
Weeds, grass, or brush farms, 2002	19,179	263	157	116	158	556	148
1997	18,858	271	218	98	260	475	144
acres treated, 2002	1,957,109	7,565	10,517	1,726	41,189	15,443	6,434
1997	2,168,629	7,142	8,767	1,583	53,641	20,089	4,753
Nematodes farms, 2002	737	12	1	1	1	16	-
1997	1,803	28	2	1	9	51	10
acres treated, 2002	25,778	162	(D)	(D)	(D)	141	-
1997	43,756	255	(D)	(D)	480	171	131
Diseases in crops and orchards farms, 2002	4,011	75	16	35	10	71	32
1997	9,430	129	129	43	52	152	122
acres treated, 2002	89,983	961	89	576	2,658	617	1,340
1997	174,751	788	535	487	4,061	986	1,739
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	2,127	3	34	-	23	44	23
1997	3,270	74	27	23	23	63	32
acres on which used, 2002	32,880	8	151	-	259	339	267
1997	66,227	599	299	204	100	1,326	280

Item	Bell	Boone	Bourbon	Boyd	Boyle	Bracken	Breathitt
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	16	310	502	142	354	387	148
1997	31	467	645	89	560	583	175
acres treated, 2002	456	8,727	33,658	3,948	15,051	8,317	1,750
1997	309	13,588	29,704	1,544	16,199	9,886	1,111
Cropland fertilized, except cropland pastured farms, 2002	14	310	473	101	274	380	144
1997	25	467	626	56	532	570	175
acres treated, 2002	230	7,441	19,414	2,029	9,651	6,016	1,371
1997	203	11,948	20,164	784	11,581	8,975	857
Pastureland and rangeland fertilized farms, 2002	11	8	154	83	155	89	21
1997	8	57	118	42	105	40	25
acres treated, 2002	226	1,286	14,244	1,919	5,400	2,301	379
1997	106	1,640	9,540	760	4,618	911	254
Manure farms, 2002	2	129	52	92	109	87	18
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	(D)	1,476	3,794	2,085	3,843	1,029	166
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	5	144	259	18	61	131	57
1997	3	184	377	8	234	304	42
acres treated, 2002	49	4,601	7,845	60	1,116	942	388
1997	(D)	3,694	11,495	113	2,640	5,672	272
Weeds, grass, or brush farms, 2002	9	78	309	59	91	136	72
1997	3	109	228	19	83	161	4
acres treated, 2002	87	4,934	17,729	1,595	5,008	2,096	708
1997	(D)	4,817	15,695	464	5,935	3,300	100
Nematodes farms, 2002	-	1	36	-	-	10	2
1997	-	27	45	-	3	34	-
acres treated, 2002	-	(D)	528	-	-	80	(D)
1997	-	1,346	710	-	69	519	-
Diseases in crops and orchards farms, 2002	5	44	41	6	15	51	34
1997	4	80	166	-	76	149	21
acres treated, 2002	33	99	1,162	28	66	145	78
1997	(D)	1,030	4,905	-	979	1,374	89
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	2	36	12	5	8	12	1
1997	-	34	54	-	23	52	7
acres on which used, 2002	(D)	184	358	5	16	36	(D)
1997	-	489	617	-	719	1,052	40

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Breckinridge	Bullitt	Butler	Caldwell	Calloway	Campbell	Carlisle
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	966	183	281	253	471	309	165
1997	1,237	417	504	325	545	320	204
acres treated, 2002	78,058	12,573	37,575	46,834	94,149	6,366	49,270
1997	81,670	15,110	49,306	50,053	92,197	8,779	53,150
Cropland fertilized, except cropland pastured farms, 2002	785	144	206	229	388	293	155
1997	1,107	342	364	302	457	320	199
acres treated, 2002	47,513	10,314	28,119	41,677	85,829	5,302	47,177
1997	51,528	11,393	36,885	42,181	84,170	7,631	52,615
Pastureland and rangeland fertilized farms, 2002	560	68	160	71	186	57	39
1997	489	153	293	111	158	83	12
acres treated, 2002	30,545	2,259	9,456	5,157	8,320	1,064	2,093
1997	30,142	3,717	12,421	7,872	8,027	1,148	535
Manure farms, 2002	96	105	58	57	96	234	28
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	4,992	1,401	5,528	3,618	4,376	4,689	2,124
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	432	37	76	63	179	115	54
1997	594	120	89	152	211	126	55
acres treated, 2002	5,440	1,168	7,203	8,177	7,383	1,187	10,561
1997	11,114	754	3,156	11,062	6,345	1,163	7,031
Weeds, grass, or brush farms, 2002	347	107	156	131	328	115	122
1997	389	127	183	138	315	105	101
acres treated, 2002	13,140	10,794	22,398	33,233	59,569	1,570	48,957
1997	27,760	7,751	28,428	39,231	72,848	2,343	48,229
Nematodes farms, 2002	8	-	-	23	1	-	3
1997	20	3	6	13	8	27	2
acres treated, 2002	340	(D)	-	1,409	(D)	-	(D)
1997	(D)	(D)	(D)	(D)	564	317	(D)
Diseases in crops and orchards farms, 2002	19	1	31	34	8	47	5
1997	175	43	9	18	73	84	3
acres treated, 2002	118	(D)	92	1,677	175	742	809
1997	1,123	211	(D)	437	2,393	404	1,170
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	21	15	-	6	2	22	-
1997	84	10	2	7	25	-	-
acres on which used, 2002	325	199	-	716	(D)	110	-
1997	495	90	(D)	466	433	-	-
Item	Carroll	Carter	Casey	Christian	Clark	Clay	Clinton
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	204	572	900	608	425	232	381
1997	276	854	1,237	1,001	638	408	639
acres treated, 2002	6,382	13,860	41,236	147,920	24,811	4,020	18,707
1997	6,711	13,645	38,999	162,776	23,012	5,389	25,517
Cropland fertilized, except cropland pastured farms, 2002	186	509	805	461	354	209	285
1997	269	775	1,201	848	589	401	593
acres treated, 2002	4,994	7,568	24,579	130,263	12,123	2,976	6,216
1997	4,483	7,679	27,510	145,530	17,909	3,711	12,391
Pastureland and rangeland fertilized farms, 2002	56	233	454	311	205	47	245
1997	54	205	374	318	112	41	257
acres treated, 2002	1,388	6,292	16,657	17,657	12,688	1,044	12,491
1997	2,228	5,966	11,489	17,246	5,103	1,678	13,126
Manure farms, 2002	67	182	216	207	37	37	42
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,094	1,685	5,686	8,751	469	277	2,079
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	112	146	235	295	161	91	122
1997	166	142	443	462	227	111	225
acres treated, 2002	1,538	1,150	1,078	38,597	2,483	498	1,413
1997	1,890	1,105	5,098	70,950	3,285	1,067	1,305
Weeds, grass, or brush farms, 2002	96	155	214	472	169	38	129
1997	88	83	201	500	123	57	66
acres treated, 2002	1,553	2,432	5,050	96,844	5,904	395	2,002
1997	1,420	991	4,997	125,396	5,157	939	1,596
Nematodes farms, 2002	7	1	-	23	37	8	9
1997	16	11	13	43	3	-	12
acres treated, 2002	294	(D)	-	1,573	398	8	171
1997	271	243	48	1,128	(D)	-	97
Diseases in crops and orchards farms, 2002	35	24	61	103	55	34	69
1997	43	140	255	162	53	85	43
acres treated, 2002	628	38	194	13,379	396	81	642
1997	615	703	1,264	17,713	782	383	162
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	24	50	77	34	51	10	40
1997	20	42	47	10	49	31	41
acres on which used, 2002	114	61	91	686	234	30	345
1997	67	146	1,036	956	502	45	91

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Crittenden	Cumberland	Daviess	Edmonson	Elliott	Estill	Fayette
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	225	277	702	426	244	240	384
1997	295	450	948	600	452	383	406
acres treated, 2002	32,591	13,515	140,541	21,687	5,674	8,058	30,600
1997	26,708	20,114	152,682	22,468	5,450	6,327	23,089
Cropland fertilized, except cropland pastured farms, 2002	208	233	589	302	226	170	273
1997	226	430	854	522	435	359	356
acres treated, 2002	24,089	6,337	131,342	12,008	3,023	5,350	11,570
1997	20,660	14,020	143,678	14,233	3,840	3,801	12,027
Pastureland and rangeland fertilized farms, 2002	111	117	183	269	112	100	158
1997	113	112	275	285	58	75	93
acres treated, 2002	8,502	7,178	9,199	9,679	2,651	2,708	19,030
1997	6,048	6,094	9,004	8,235	1,610	2,526	11,062
Manure farms, 2002	71	63	141	34	53	76	151
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	2,153	1,783	5,732	776	841	277	6,751
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	37	79	354	68	43	41	182
1997	36	181	402	232	109	130	259
acres treated, 2002	4,425	401	46,087	1,712	691	317	8,194
1997	702	1,056	39,221	2,421	588	681	4,888
Weeds, grass, or brush farms, 2002	108	114	460	113	78	69	143
1997	95	106	468	138	53	73	159
acres treated, 2002	22,098	1,032	129,109	7,791	2,270	3,807	16,755
1997	11,174	6,632	126,187	5,034	252	1,101	10,993
Nematodes farms, 2002	1	4	2	14	-	-	-
1997	-	8	12	11	-	13	27
acres treated, 2002	(D)	35	(D)	-	170	-	-
1997	-	24	515	16	-	98	507
Diseases in crops and orchards farms, 2002	27	12	82	12	22	21	76
1997	15	57	102	64	110	63	119
acres treated, 2002	143	43	2,337	1,500	198	51	946
1997	120	302	4,225	167	401	239	1,660
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	3	42	12	5	8	30
1997	-	10	53	31	23	23	32
acres on which used, 2002	-	12	865	1,500	500	24	950
1997	-	51	3,875	33	191	58	567
Item	Fleming	Floyd	Franklin	Fulton	Gallatin	Garrard	Grant
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	730	25	336	94	153	456	568
1997	998	40	575	114	216	784	774
acres treated, 2002	43,464	436	11,652	48,390	3,279	19,532	19,257
1997	31,996	582	13,645	55,745	5,084	20,655	11,147
Cropland fertilized, except cropland pastured farms, 2002	653	22	284	88	146	397	527
1997	990	39	529	109	216	738	748
acres treated, 2002	22,782	323	5,187	47,630	2,329	11,855	9,670
1997	24,324	543	8,288	55,116	4,125	13,659	8,578
Pastureland and rangeland fertilized farms, 2002	270	7	159	14	39	154	171
1997	185	6	115	10	38	180	125
acres treated, 2002	20,682	113	6,465	760	950	7,677	9,587
1997	7,672	39	5,357	629	959	6,996	2,569
Manure farms, 2002	296	10	47	8	38	144	181
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	12,297	111	830	2,047	342	2,005	2,734
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	253	3	99	34	38	186	193
1997	403	9	293	25	110	418	353
acres treated, 2002	3,160	(D)	598	14,704	334	1,829	1,657
1997	4,582	22	1,984	8,162	1,292	4,118	2,069
Weeds, grass, or brush farms, 2002	204	14	89	73	36	133	211
1997	256	16	120	82	41	159	165
acres treated, 2002	4,205	342	1,231	58,176	302	2,978	2,553
1997	10,987	338	2,214	66,146	2,350	3,820	2,060
Nematodes farms, 2002	4	-	32	1	-	-	-
1997	26	-	28	-	1	13	6
acres treated, 2002	162	-	76	(D)	-	-	-
1997	342	-	109	-	(D)	125	12
Diseases in crops and orchards farms, 2002	95	1	52	11	30	58	44
1997	125	5	129	8	32	147	121
acres treated, 2002	381	(D)	200	4,467	130	176	192
1997	955	6	854	2,753	342	1,191	834
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	21	-	10	1	15	29	-
1997	56	7	26	3	8	49	40
acres on which used, 2002	58	-	43	(D)	73	53	-
1997	543	14	487	886	137	880	219

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Graves	Grayson	Green	Greenup	Hancock	Hardin	Harlan
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	599	925	715	401	263	1,136	8
1997	800	1,244	992	609	401	1,378	11
acres treated, 2002	134,887	54,741	41,218	11,587	24,622	92,342	129
1997	111,675	62,900	40,737	7,645	22,919	98,785	144
Cropland fertilized, except cropland pastured farms, 2002	512	754	656	366	218	887	5
1997	731	1,062	938	587	376	1,169	7
acres treated, 2002	126,435	32,932	24,532	7,452	17,245	68,991	57
1997	107,243	36,536	25,989	5,672	19,615	66,860	94
Pastureland and rangeland fertilized farms, 2002	185	518	452	130	146	691	5
1997	143	553	327	132	94	687	4
acres treated, 2002	8,452	21,809	16,686	4,135	7,377	23,351	72
1997	4,432	26,364	14,748	1,973	3,304	31,925	50
Manure farms, 2002	99	187	88	96	42	262	2
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	10,527	8,920	2,190	625	4,171	7,140	(D)
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	248	300	203	82	118	360	4
1997	326	497	394	121	240	520	1
acres treated, 2002	28,832	3,069	2,182	436	1,676	20,626	46
1997	12,261	7,620	5,411	846	3,967	22,798	(D)
Weeds, grass, or brush farms, 2002	313	302	245	107	138	478	3
1997	431	312	195	142	106	431	2
acres treated, 2002	92,107	7,464	4,249	856	11,129	46,105	57
1997	90,748	18,509	2,480	1,804	12,842	48,440	(D)
Nematodes farms, 2002	4	7	11	-	-	11	-
1997	43	18	40	14	9	12	-
acres treated, 2002	1,907	28	159	-	-	494	-
1997	690	107	2,748	-	-	164	-
Diseases in crops and orchards farms, 2002	47	64	37	29	20	33	2
1997	46	134	136	78	73	194	1
acres treated, 2002	1,310	839	297	336	41	342	(D)
1997	1,591	665	1,729	465	654	2,718	(D)
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	6	53	24	2	23	85	-
1997	50	39	84	49	26	57	-
acres on which used, 2002	(D)	515	121	(D)	36	1,487	-
1997	807	1,151	655	163	1,470	268	-

Item	Harrison	Hart	Henderson	Henry	Hickman	Hopkins	Jackson	Jefferson
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	569	934	303	593	127	215	440	188
1997	777	1,289	410	768	179	324	672	308
acres treated, 2002	18,486	47,618	95,859	26,429	68,121	46,012	13,677	7,435
1997	30,085	39,059	100,773	25,712	77,399	63,913	13,138	13,339
Cropland fertilized, except cropland pastured farms, 2002	537	767	216	572	106	199	400	171
1997	776	1,203	385	747	169	251	653	273
acres treated, 2002	14,677	28,845	90,746	21,346	65,607	42,889	7,386	6,111
1997	23,303	22,734	96,633	19,133	75,973	59,076	7,105	10,692
Pastureland and rangeland fertilized farms, 2002	144	515	140	106	36	95	174	37
1997	173	414	69	169	25	136	200	86
acres treated, 2002	3,809	18,773	5,113	5,083	2,514	3,123	6,291	1,324
1997	6,782	16,325	4,140	6,579	1,426	4,837	6,033	2,647
Manure farms, 2002	114	113	69	126	27	51	49	54
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	2,575	3,753	3,412	6,923	7,447	3,507	415	450
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	307	572	126	274	54	87	129	69
1997	467	742	146	483	49	61	147	79
acres treated, 2002	3,004	8,225	27,719	2,554	22,812	12,289	876	374
1997	7,425	10,100	19,976	6,305	13,610	14,512	1,284	1,215
Weeds, grass, or brush farms, 2002	269	343	196	223	86	122	109	78
1997	233	332	260	226	129	192	103	112
acres treated, 2002	5,972	12,525	90,190	7,549	72,260	38,847	1,577	3,150
1997	4,604	8,163	119,340	9,011	72,623	59,366	1,292	6,082
Nematodes farms, 2002	35	8	19	27	7	16	1	-
1997	69	66	7	42	10	-	28	6
acres treated, 2002	413	8	64	134	3,354	704	(D)	-
1997	772	2,708	56	458	485	-	71	27
Diseases in crops and orchards farms, 2002	102	140	15	29	15	1	36	27
1997	184	195	19	169	18	19	84	58
acres treated, 2002	664	1,596	78	125	796	(D)	61	84
1997	2,509	1,365	505	1,398	3,598	159	429	403
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	43	41	3	16	4	-	26	1
1997	75	65	17	56	4	1	37	5
acres on which used, 2002	259	426	(D)	211	16	-	183	(D)
1997	1,308	627	7,289	656	988	(D)	301	5

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Jessamine	Johnson	Kenton	Knott	Knox	Larue	Laurel	Lawrence
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	461	106	299	2	183	513	722	183
1997	572	145	326	9	277	730	1,022	252
acres treated, 2002	11,048	2,146	2,577	(D)	3,199	54,009	37,533	2,590
1997	13,811	2,048	3,361	130	8,385	42,358	19,675	1,437
Cropland fertilized, except cropland pastured farms, 2002	403	105	240	1	145	363	600	171
1997	546	119	318	9	261	584	961	244
acres treated, 2002	7,617	1,309	1,499	(D)	1,711	36,742	22,954	1,868
1997	9,474	928	2,449	(D)	4,940	29,824	9,869	1,246
Pastureland and rangeland fertilized farms, 2002	94	19	73	2	81	318	332	39
1997	109	41	54	2	70	341	367	24
acres treated, 2002	3,431	837	1,078	(D)	1,488	17,267	14,579	722
1997	4,337	1,120	912	(D)	3,445	12,534	9,806	191
Manure farms, 2002	47	17	93	1	73	224	151	53
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	3,082	54	1,133	(D)	935	5,753	3,582	219
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	203	43	107	-	40	199	177	4
1997	313	55	123	-	71	294	253	64
acres treated, 2002	1,782	228	599	-	196	7,759	1,406	72
1997	5,305	181	663	-	466	4,991	1,520	171
Weeds, grass, or brush farms, 2002	157	35	134	2	48	229	81	35
1997	129	56	103	4	67	231	115	39
acres treated, 2002	2,693	122	417	(D)	433	19,532	826	652
1997	1,976	371	1,016	30	586	21,876	1,535	177
Nematodes farms, 2002	-	-	10	-	-	-	8	-
1997	35	8	12	-	22	21	10	-
acres treated, 2002	-	-	20	-	-	-	8	-
1997	189	16	36	-	196	100	311	-
Diseases in crops and orchards farms, 2002	58	11	25	-	-	22	32	5
1997	169	28	27	-	43	75	141	54
acres treated, 2002	448	23	35	-	-	81	62	15
1997	1,539	77	223	-	140	938	895	164
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	3	5	15	-	-	20	57	-
1997	22	17	1	-	11	27	40	18
acres on which used, 2002	84	15	15	-	-	55	130	-
1997	155	24	(D)	-	11	1,997	162	50
Item	Lee	Leslie	Letcher	Lewis	Lincoln	Livingston	Logan	Lyon
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	102	11	21	611	732	178	723	110
1997	146	12	16	707	1,151	209	976	146
acres treated, 2002	3,175	(D)	260	24,583	48,459	24,131	138,434	14,137
1997	2,140	32	169	22,489	37,802	22,362	134,999	15,613
Cropland fertilized, except cropland pastured farms, 2002	87	9	15	559	689	95	524	94
1997	141	12	12	689	1,076	136	789	115
acres treated, 2002	1,510	(D)	159	13,967	31,955	17,955	110,179	11,719
1997	1,701	32	(D)	14,337	25,646	15,061	108,462	12,770
Pastureland and rangeland fertilized farms, 2002	29	2	8	262	284	110	425	45
1997	17	-	5	202	332	99	470	51
acres treated, 2002	1,665	(D)	101	10,616	16,504	6,176	28,255	2,418
1997	439	-	(D)	8,152	12,156	7,301	26,537	2,843
Manure farms, 2002	21	2	7	139	132	29	141	14
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	487	(D)	76	3,028	5,414	1,534	4,352	425
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	23	2	6	202	288	21	271	46
1997	38	-	3	222	411	7	388	61
acres treated, 2002	360	(D)	26	1,319	4,108	2,454	41,365	2,723
1997	241	-	35	1,774	6,180	896	55,965	3,157
Weeds, grass, or brush farms, 2002	17	2	5	111	201	60	364	51
1997	25	3	6	168	284	75	396	41
acres treated, 2002	595	(D)	74	3,664	13,398	15,905	65,862	7,577
1997	210	19	21	2,588	7,535	14,658	72,490	11,692
Nematodes farms, 2002	-	-	-	-	-	1	9	-
1997	3	-	1	9	34	1	6	16
acres treated, 2002	-	-	-	-	(D)	(D)	3,400	-
1997	75	-	(D)	125	167	(D)	2,405	(D)
Diseases in crops and orchards farms, 2002	11	2	3	110	49	7	102	1
1997	32	2	3	116	175	4	94	14
acres treated, 2002	40	(D)	23	474	468	14	13,924	(D)
1997	219	(D)	11	822	1,010	122	16,194	608
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	4	-	-	27	44	4	21	-
1997	17	-	-	40	93	-	38	5
acres on which used, 2002	80	-	-	95	699	1,885	917	-
1997	112	-	-	190	472	-	4,756	(D)

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	McCracken	McCreary	McLean	Madison	Magoffin	Marion	Marshall	Martin
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	180	66	236	743	237	774	312	7
1997	322	81	369	1,187	338	843	458	6
acres treated, 2002	32,858	3,419	69,992	28,016	3,165	56,724	39,795	220
1997	32,914	2,374	75,596	27,444	1,911	39,944	41,572	175
Cropland fertilized, except cropland pastured farms, 2002	146	45	224	678	226	676	208	7
1997	265	52	359	1,081	331	770	335	4
acres treated, 2002	32,343	1,567	67,082	13,282	2,058	35,308	31,530	(D)
1997	31,048	1,385	73,268	14,153	1,476	26,067	32,509	70
Pastureland and rangeland fertilized farms, 2002	36	48	60	265	68	375	193	3
1997	72	43	55	340	27	308	266	3
acres treated, 2002	515	1,852	2,910	14,734	1,107	21,416	8,265	(D)
1997	1,866	989	2,328	13,291	435	13,877	9,063	105
Manure farms, 2002	26	19	82	176	19	268	14	3
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	987	397	10,402	2,009	165	6,283	898	8
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	58	7	98	349	27	294	41	-
1997	110	4	202	460	44	363	82	1
acres treated, 2002	4,432	38	13,107	3,218	82	3,868	3,371	(D)
1997	3,235	51	24,863	6,024	89	7,697	978	-
Weeds, grass, or brush farms, 2002	111	12	188	278	68	273	133	2
1997	187	9	249	229	49	276	139	-
acres treated, 2002	26,549	155	59,372	5,885	391	11,367	23,328	(D)
1997	28,951	86	71,238	5,247	1,975	12,473	28,606	(D)
Nematodes farms, 2002	3	1	-	3	-	3	11	-
1997	33	3	7	21	-	19	1	-
acres treated, 2002	750	(D)	-	(D)	-	322	85	-
1997	303	6	330	227	-	455	(D)	-
Diseases in crops and orchards farms, 2002	25	3	8	52	17	25	12	-
1997	53	1	26	146	50	120	28	-
acres treated, 2002	687	(D)	10	1,032	21	154	62	-
1997	1,139	(D)	1,120	2,524	176	1,250	323	-
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	6	1	10	47	4	22	-	-
1997	21	-	26	27	39	41	26	-
acres on which used, 2002	6	(D)	40	377	8	193	-	-
1997	65	-	2,274	447	50	343	1,265	-
Item	Mason	Meade	Menifee	Mercer	Metcalf	Monroe	Montgomery	Morgan
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	466	575	214	572	739	676	436	563
1997	670	667	327	626	862	903	593	697
acres treated, 2002	21,812	48,599	3,761	32,327	39,221	56,798	16,015	11,962
1997	23,193	40,838	5,455	23,682	30,060	46,210	13,405	9,908
Cropland fertilized, except cropland pastured farms, 2002	443	393	173	410	663	518	399	478
1997	652	541	315	588	803	757	564	661
acres treated, 2002	15,875	35,910	2,029	15,650	23,282	30,499	7,353	4,955
1997	19,675	27,968	3,680	14,322	15,158	26,438	9,009	4,819
Pastureland and rangeland fertilized farms, 2002	80	317	96	336	342	569	155	214
1997	106	336	74	152	339	405	105	120
acres treated, 2002	5,937	12,689	1,732	16,677	15,939	26,299	8,662	7,007
1997	3,518	12,870	1,775	9,360	14,902	19,772	4,396	5,089
Manure farms, 2002	185	140	41	110	101	112	57	97
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	8,764	2,035	304	2,896	4,189	7,331	891	804
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	226	124	53	180	327	159	105	124
1997	333	197	129	303	384	275	257	90
acres treated, 2002	4,248	6,407	196	3,877	5,642	5,630	1,682	376
1997	6,448	4,487	732	4,261	2,587	3,189	2,867	758
Weeds, grass, or brush farms, 2002	147	209	62	222	193	262	137	150
1997	258	171	85	193	188	157	180	146
acres treated, 2002	10,285	17,121	1,318	7,652	5,733	14,122	3,769	797
1997	7,795	18,852	2,993	5,009	3,672	4,432	5,107	1,626
Nematodes farms, 2002	-	9	-	6	9	-	2	6
1997	33	12	-	34	23	11	13	18
acres treated, 2002	-	18	-	204	27	-	(D)	36
1997	531	12	-	318	137	44	478	227
Diseases in crops and orchards farms, 2002	10	24	27	19	53	37	25	47
1997	122	29	63	125	97	49	127	131
acres treated, 2002	30	1,175	333	173	177	1,143	127	101
1997	1,627	469	272	1,530	604	469	1,523	876
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	49	27	18	22	29	1	1	54
1997	33	8	36	39	18	16	24	40
acres on which used, 2002	292	(D)	46	98	35	(D)	(D)	166
1997	775	8	238	472	77	512	174	315

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Muhlenberg	Nelson	Nicholas	Ohio	Oldham	Owen	Owsley	Pendleton
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	407	881	278	334	231	427	164	610
1997	430	1,032	484	787	249	687	241	696
acres treated, 2002	49,507	58,024	14,866	40,069	18,114	27,462	2,607	22,109
1997	34,064	60,256	10,019	50,736	18,730	21,436	1,750	18,656
Cropland fertilized, except cropland pastured farms, 2002	343	756	234	297	218	390	157	527
1997	368	945	460	665	200	657	241	668
acres treated, 2002	40,833	42,356	8,288	33,780	14,673	14,006	1,637	17,057
1997	26,441	46,503	5,301	42,152	12,614	13,518	964	16,253
Pastureland and rangeland fertilized farms, 2002	177	421	76	122	86	172	45	156
1997	181	409	77	281	81	174	20	102
acres treated, 2002	8,674	15,668	6,578	6,289	3,441	13,456	970	5,052
1997	7,623	13,753	4,718	8,584	6,116	7,918	786	2,403
Manure farms, 2002	58	234	90	53	63	192	11	152
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	2,415	13,530	2,242	3,804	2,445	4,286	51	1,832
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	90	271	152	161	51	246	60	162
1997	110	382	206	185	112	354	70	270
acres treated, 2002	3,782	8,278	2,006	10,819	5,021	3,110	337	1,694
1997	5,172	4,851	2,963	6,607	4,499	4,060	355	2,850
Weeds, grass, or brush farms, 2002	181	316	108	256	119	231	49	138
1997	117	260	126	261	75	151	26	100
acres treated, 2002	24,201	25,956	2,235	32,502	13,489	1,827	595	1,774
1997	25,018	28,548	2,132	31,086	8,300	2,381	209	4,471
Nematodes farms, 2002	10	2	19	7	1	15	6	2
1997	-	17	34	33	8	25	-	32
acres treated, 2002	30	(D)	164	14	(D)	73	6	(D)
1997	-	312	408	3,997	219	428	-	727
Diseases in crops and orchards farms, 2002	1	41	27	73	3	82	15	50
1997	28	50	108	61	32	124	87	149
acres treated, 2002	(D)	1,310	63	146	48	382	43	472
1997	110	413	1,465	185	353	921	480	897
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	51	10	6	1	14	15	18
1997	5	53	13	19	8	60	21	23
acres on which used, 2002	-	432	20	2,653	(D)	130	136	178
1997	85	294	351	(D)	250	387	105	191

Item	Perry	Pike	Powell	Pulaski	Robertson	Rockcastle	Rowan	Russell
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	22	22	160	1,440	120	456	275	638
1997	25	20	188	1,785	247	679	411	877
acres treated, 2002	479	387	3,567	75,544	3,560	15,538	6,193	32,606
1997	666	349	2,580	76,294	3,478	16,986	8,778	42,266
Cropland fertilized, except cropland pastured farms, 2002	20	18	140	1,159	120	443	267	525
1997	19	18	188	1,583	236	647	398	796
acres treated, 2002	311	274	3,169	47,066	2,766	8,718	4,197	18,114
1997	258	219	1,700	47,871	2,628	9,820	5,245	21,134
Pastureland and rangeland fertilized farms, 2002	10	9	32	799	21	242	54	398
1997	9	3	34	786	22	227	72	388
acres treated, 2002	168	113	398	28,478	794	6,820	1,996	14,492
1997	408	130	880	28,423	850	7,166	3,533	21,132
Manure farms, 2002	9	8	59	145	53	77	63	97
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	97	45	704	4,581	1,223	2,613	1,099	1,142
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	6	5	45	277	47	117	55	229
1997	6	1	73	520	119	301	66	221
acres treated, 2002	48	24	111	3,251	268	638	231	2,391
1997	(D)	(D)	390	6,250	1,154	3,603	395	1,461
Weeds, grass, or brush farms, 2002	14	10	52	351	26	172	47	183
1997	11	13	51	288	46	125	79	173
acres treated, 2002	126	218	4,314	16,212	862	2,040	651	3,563
1997	166	317	901	12,159	537	2,237	1,174	6,373
Nematodes farms, 2002	1	-	1	11	-	-	8	-
1997	1	-	4	12	-	-	1	28
acres treated, 2002	(D)	-	(D)	66	-	-	49	-
1997	(D)	-	48	84	-	-	(D)	101
Diseases in crops and orchards farms, 2002	4	2	12	49	10	23	18	41
1997	4	-	19	203	48	114	64	94
acres treated, 2002	19	(D)	54	417	69	53	19	298
1997	18	-	74	2,466	483	465	343	506
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	1	1	18	35	35	21	21	37
1997	-	1	4	104	21	43	7	33
acres on which used, 2002	(D)	(D)	158	328	91	55	22	262
1997	-	(D)	48	1,151	130	84	88	102

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Scott	Shelby	Simpson	Spencer	Taylor	Todd	Trigg	Trimble
Commercial fertilizer, lime, and soil conditioners ¹								
farms, 2002	405	857	390	370	571	409	243	332
1997	581	1,145	470	466	848	566	342	418
acres treated, 2002	15,438	72,917	72,875	20,394	39,578	86,924	46,711	10,456
1997	17,579	55,302	77,481	21,635	36,599	115,844	57,199	11,797
farms, 2002	358	775	326	348	493	370	211	319
1997	566	1,073	407	456	764	507	267	418
acres treated, 2002	9,899	58,439	61,954	18,132	27,966	80,031	35,558	9,137
1997	12,029	45,299	68,968	16,581	25,203	104,291	38,828	9,589
Pastureland and rangeland fertilized								
farms, 2002	91	362	219	122	318	147	110	44
1997	64	249	152	96	287	199	157	63
acres treated, 2002	5,539	14,478	10,921	2,262	11,612	6,893	11,153	1,319
1997	5,550	10,003	8,513	5,054	11,396	11,553	18,371	2,208
Manure								
farms, 2002	107	211	32	116	150	71	68	67
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	2,522	5,772	2,095	9,688	3,467	4,760	1,184	723
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ²								
farms, 2002	250	443	153	176	277	166	99	199
1997	315	637	213	231	344	313	104	235
acres treated, 2002	3,039	15,055	12,002	3,251	4,264	23,311	14,440	1,211
1997	6,756	11,958	23,204	3,923	6,663	52,822	13,366	3,612
Weeds, grass, or brush								
farms, 2002	242	543	191	131	211	277	111	141
1997	149	388	289	105	216	273	136	134
acres treated, 2002	8,512	49,185	27,347	5,508	15,083	57,915	28,606	3,552
1997	6,462	30,465	53,802	9,535	10,320	80,773	42,386	5,583
Nematodes								
farms, 2002	8	55	17	1	17	10	2	-
1997	13	92	18	9	9	2	22	8
acres treated, 2002	82	536	814	(D)	801	494	(D)	24
1997	440	1,523	353	98	103	589	1,372	589
Diseases in crops and orchards								
farms, 2002	65	94	37	45	38	64	31	8
1997	120	208	96	37	46	143	31	62
acres treated, 2002	1,020	3,525	1,689	425	112	7,834	(D)	96
1997	2,358	3,465	5,406	593	145	18,292	2,859	620
Chemicals used to control growth, thin fruit, or defoliate								
farms, 2002	42	57	16	32	36	12	4	7
1997	36	65	5	4	31	30	8	27
acres on which used, 2002	291	434	360	150	169	1,220	(D)	35
1997	710	797	(D)	195	251	707	(D)	171

Item	Union	Warren	Washington	Wayne	Webster	Whitley	Wolfe	Woodford
Commercial fertilizer, lime, and soil conditioners ¹								
farms, 2002	198	886	749	654	245	298	306	266
1997	321	1,386	841	763	360	323	363	475
acres treated, 2002	135,674	92,997	38,171	34,844	69,544	15,937	8,553	27,244
1997	148,836	95,014	29,951	34,660	73,565	10,545	4,546	21,046
farms, 2002	162	710	677	525	200	212	292	194
1997	277	1,129	792	681	307	233	341	425
acres treated, 2002	126,588	64,618	21,126	19,818	64,712	7,215	5,031	12,142
1997	143,112	67,814	19,233	19,837	67,643	6,207	2,413	11,094
Pastureland and rangeland fertilized								
farms, 2002	104	497	320	404	63	158	68	143
1997	92	604	215	363	112	139	71	118
acres treated, 2002	9,086	28,379	17,045	15,026	4,832	8,722	3,522	15,102
1997	5,724	27,200	10,718	14,823	5,922	4,338	2,133	9,952
Manure								
farms, 2002	34	115	162	69	48	107	53	94
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	3,097	3,635	4,009	3,477	6,500	1,791	726	5,548
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ²								
farms, 2002	75	373	338	179	101	21	61	182
1997	88	545	362	212	98	66	49	308
acres treated, 2002	59,033	11,946	4,305	3,288	21,893	87	330	5,329
1997	32,906	24,202	5,046	3,409	14,574	1,427	163	5,753
Weeds, grass, or brush								
farms, 2002	159	473	299	217	143	52	50	121
1997	223	334	153	180	217	56	39	118
acres treated, 2002	119,224	30,780	11,466	18,420	53,955	987	1,165	9,666
1997	127,031	39,873	4,925	10,999	73,887	1,474	434	11,784
Nematodes								
farms, 2002	-	9	30	1	1	-	8	3
1997	-	41	38	16	-	4	-	30
acres treated, 2002	-	19	1,113	(D)	(D)	-	24	53
1997	-	286	780	56	-	64	-	726
Diseases in crops and orchards								
farms, 2002	5	75	98	13	1	2	14	47
1997	21	119	100	114	24	6	43	117
acres treated, 2002	1,500	737	985	121	(D)	(D)	84	746
1997	155	7,423	1,885	1,521	3,429	107	196	2,048
Chemicals used to control growth, thin fruit, or defoliate								
farms, 2002	-	22	40	7	1	10	-	8
1997	16	62	40	11	22	1	19	49
acres on which used, 2002	-	128	1,531	75	(D)	99	-	523
1997	3,519	1,480	782	182	288	(D)	54	892

¹ Data for 1997 exclude lime.

² Data for 1997 include treatment of crops, including hay, but not other land.