

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992**

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

Chemicals used	Kentucky							
	Kentucky	Adair	Allen	Anderson	Ballard	Barren	Bath	
Commercial fertilizer ..... farms, 1997..	63 439	1 153	793	460	318	1 683	746	
	1992..	75 683	1 361	942	625	2 002	771	
	acres on which used, 1997..	3 753 370	49 532	38 058	9 493	50 574	83 372	15 774
	1992..	3 668 562	55 662	28 150	16 916	54 893	90 874	17 025
Cropland fertilized, except pastureland ..... farms, 1997..	58 251	1 090	696	418	304	1 579	746	
	1992..	71 960	1 284	868	562	370	1 873	764
	acres on which used, 1997..	2 898 853	31 554	20 241	6 294	48 138	47 510	12 300
	1992..	2 918 682	35 092	14 799	8 060	51 545	56 862	13 171
Pastureland and rangeland fertilized..... farms, 1997..	18 922	411	316	88	59	666	80	
	1992..	16 697	428	279	159	80	759	82
	acres on which used, 1997..	854 517	17 978	17 817	3 199	2 436	35 862	3 474
	1992..	749 880	20 570	13 351	8 856	3 348	34 012	3 854
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ..... farms, 1997..	25 302	323	347	199	156	843	288	
	1992..	32 380	314	415	243	192	929	313
	acres on which used, 1997..	749 516	5 971	2 150	1 625	9 001	13 000	4 498
	1992..	655 321	3 612	3 456	2 231	6 961	13 916	4 010
Nematodes in crops ..... farms, 1997..	1 732	28	2	1	9	50	8	
	1992..	2 190	14	23	2	16	31	26
	acres on which used, 1997..	40 547	266	(D)	(D)	480	171	90
	1992..	50 657	519	910	(D)	74	1 219	181
Diseases in crops and orchards..... farms, 1997..	9 025	120	122	47	51	144	116	
	1992..	9 718	76	124	49	34	168	80
	acres on which used, 1997..	166 526	598	503	551	3 874	942	1 768
	1992..	130 424	747	469	256	2 031	1 077	598
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	17 730	258	212	104	247	460	151	
	1992..	22 090	313	100	120	234	508	221
	acres on which used, 1997..	2 015 073	6 903	7 182	1 702	51 450	20 442	4 842
	1992..	2 009 296	10 551	2 570	1 272	50 865	18 946	6 032
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	3 116	66	25	25	24	61	30	
	1992..	6 084	119	48	62	30	102	95
	acres on which used, 1997..	64 028	353	280	264	106	1 320	276
	1992..	83 107	678	92	241	(D)	613	1 042
Chemicals used	Kentucky							
	Bell	Boone	Bourbon	Boyd	Boyle	Bracken	Breathitt	
Commercial fertilizer ..... farms, 1997..	24	441	637	75	518	558	164	
	1992..	27	639	887	138	628	254	
	acres on which used, 1997..	265	13 775	29 811	1 382	14 382	9 021	1 011
	1992..	348	8 074	35 182	2 963	17 955	9 398	1 001
Cropland fertilized, except pastureland ..... farms, 1997..	19	441	618	49	495	547	164	
	1992..	23	634	864	132	599	247	
	acres on which used, 1997..	164	12 268	20 306	721	10 809	8 266	806
	1992..	236	7 559	25 417	2 552	13 422	7 278	899
Pastureland and rangeland fertilized..... farms, 1997..	7	53	116	34	92	36	20	
	1992..	9	17	125	26	128	68	
	acres on which used, 1997..	101	1 507	9 505	661	3 573	755	205
	1992..	112	515	9 765	411	4 533	2 120	102
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ..... farms, 1997..	2	179	376	8	221	296	36	
	1992..	5	308	497	11	272	376	20
	acres on which used, 1997..	(D)	4 224	13 168	113	2 656	5 156	235
	1992..	32	3 171	12 537	56	4 365	4 969	76
Nematodes in crops ..... farms, 1997..	—	24	47	—	3	36	—	
	1992..	—	7	26	—	40	—	
	acres on which used, 1997..	—	1 286	725	—	69	504	
	1992..	—	281	698	—	441	631	
Diseases in crops and orchards..... farms, 1997..	2	76	169	—	72	150	20	
	1992..	2	114	199	2	41	100	2
	acres on which used, 1997..	(D)	868	6 551	—	959	1 460	87
	1992..	(D)	1 631	2 607	(D)	216	1 220	(D)
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	2	107	226	17	76	156	4	
	1992..	5	142	280	32	155	154	
	acres on which used, 1997..	(D)	4 416	17 893	432	4 752	2 985	100
	1992..	35	4 759	12 525	261	3 930	2 145	397
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	—	29	53	—	21	48	7	
	1992..	2	24	77	8	94	17	
	acres on which used, 1997..	—	419	623	—	817	895	40
	1992..	(D)	44	1 591	36	1 410	1 279	17

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Chemicals used	Breckinridge	Bullitt	Butler	Caldwell	Calloway	Campbell	Carlisle
	Commercial fertilizer ..... farms, 1997..	1 170	373	448	307	497	283
..... 1992..	1 346	419	522	392	576	360	230
acres on which used, 1997..	79 218	13 933	37 988	47 369	80 604	7 556	47 346
..... 1992..	66 362	10 424	35 438	37 336	79 131	8 129	46 443
Cropland fertilized, except pastureland ..... farms, 1997..	1 056	308	323	286	417	283	177
..... 1992..	1 289	376	474	332	557	340	220
acres on which used, 1997..	49 945	10 592	26 386	39 236	72 908	6 600	46 811
..... 1992..	46 802	8 872	29 841	32 115	75 367	6 449	45 010
Pastureland and rangeland fertilized..... farms, 1997..	462	133	267	112	142	72	12
..... 1992..	352	86	149	108	83	56	28
acres on which used, 1997..	29 273	3 341	11 602	8 133	7 696	956	535
..... 1992..	19 560	1 552	5 597	5 221	3 764	1 680	1 433
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ..... farms, 1997..	577	107	88	153	195	113	49
..... 1992..	630	178	215	183	305	124	117
acres on which used, 1997..	11 397	612	1 843	11 054	5 915	991	6 917
..... 1992..	9 978	1 580	3 718	2 756	6 707	2 105	9 774
Nematodes in crops ..... farms, 1997..	17	2	4	10	8	22	2
..... 1992..	39	8	16	25	47	9	19
acres on which used, 1997..	(D)	(D)	(D)	(D)	564	254	(D)
..... 1992..	789	64	(D)	94	836	88	7 966
Diseases in crops and orchards..... farms, 1997..	167	39	7	20	70	77	3
..... 1992..	205	26	40	45	82	33	25
acres on which used, 1997..	1 002	195	(D)	445	2 356	356	1 170
..... 1992..	2 420	54	526	3 187	1 251	133	1 465
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	377	117	157	127	285	93	85
..... 1992..	397	79	192	195	370	104	145
acres on which used, 1997..	27 413	7 220	19 747	36 557	61 592	1 995	41 900
..... 1992..	24 777	6 104	26 211	27 599	60 331	1 923	42 204
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	80	12	2	6	23	—	—
..... 1992..	124	22	8	23	15	18	1
acres on which used, 1997..	501	126	(D)	455	413	—	—
..... 1992..	984	207	42	455	4 269	92	(D)
Chemicals used							
	Carroll	Carter	Casey	Christian	Clark	Clay	Clinton
Commercial fertilizer ..... farms, 1997..	265	777	1 161	925	603	376	589
..... 1992..	339	836	1 355	938	708	499	664
acres on which used, 1997..	6 553	12 800	39 132	151 065	22 816	5 994	25 522
..... 1992..	7 424	9 032	33 075	143 890	15 134	5 229	15 953
Cropland fertilized, except pastureland ..... farms, 1997..	260	714	1 131	799	560	370	551
..... 1992..	323	809	1 324	858	683	491	642
acres on which used, 1997..	4 498	7 298	28 039	134 981	17 755	4 187	12 189
..... 1992..	4 623	6 015	21 799	126 748	10 727	3 154	8 516
Pastureland and rangeland fertilized..... farms, 1997..	47	181	345	287	107	40	247
..... 1992..	55	122	285	282	121	44	182
acres on which used, 1997..	2 055	5 502	11 093	16 084	5 061	1 807	13 333
..... 1992..	2 801	3 017	11 276	17 142	4 407	2 075	7 437
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ..... farms, 1997..	164	136	427	433	211	107	208
..... 1992..	197	155	345	481	356	152	192
acres on which used, 1997..	2 069	1 061	5 248	65 919	3 138	1 292	1 236
..... 1992..	1 580	462	3 260	17 762	3 744	912	3 732
Nematodes in crops ..... farms, 1997..	16	10	13	41	2	—	12
..... 1992..	18	21	19	23	24	4	19
acres on which used, 1997..	300	205	48	1 119	(D)	—	97
..... 1992..	229	177	78	1 015	237	120	125
Diseases in crops and orchards..... farms, 1997..	45	129	242	145	47	75	42
..... 1992..	71	136	125	108	168	77	57
acres on which used, 1997..	756	671	1 356	16 450	772	419	198
..... 1992..	579	393	823	8 136	1 180	533	551
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	90	82	193	462	121	52	64
..... 1992..	84	127	222	476	199	52	118
acres on which used, 1997..	1 557	982	4 834	119 644	5 150	1 048	1 590
..... 1992..	1 949	1 009	7 428	106 070	7 706	461	2 501
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	18	42	46	9	49	25	38
..... 1992..	12	82	101	104	76	46	35
acres on which used, 1997..	60	146	1 021	947	502	39	98
..... 1992..	309	586	226	2 453	833	226	82

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Chemicals used	1997							1992						
	Crittenden	Cumberland	Daviess	Edmonson	Elliott	Estill	Fayette	Fleming	Floyd	Franklin	Fulton	Gallatin	Garrard	Grant
Commercial fertilizer . . . . . farms,	267	429	866	540	418	349	402	973	31	549	101	205	743	722
1992..	323	526	1 021	536	484	440	599	1 142	56	600	125	253	827	883
acres on which used, 1997..	24 665	16 382	148 868	21 662	5 097	6 035	22 575	32 148	363	12 540	51 477	4 956	20 239	10 835
1992..	28 841	12 880	145 641	23 079	6 386	6 865	24 022	37 644	638	9 941	43 581	4 791	19 111	8 745
Cropland fertilized, except pastureland . . . . . farms, 1997..	205	413	782	471	404	327	354	965	30	510	95	205	700	699
1992..	257	523	998	480	458	429	537	1 122	55	585	117	246	773	863
acres on which used, 1997..	18 921	11 037	140 341	13 586	3 612	3 656	11 528	24 381	324	7 746	50 698	4 003	13 470	8 410
1992..	19 899	8 769	139 133	13 787	3 495	4 786	14 068	27 618	469	7 231	42 200	4 351	11 701	6 910
Pastureland and rangeland fertilized. . . . . farms, 1997..	103	101	250	264	51	69	92	184	6	104	11	38	177	114
1992..	143	82	172	198	112	79	86	234	6	56	18	13	183	59
acres on which used, 1997..	5 744	5 345	8 527	8 076	1 485	2 379	11 047	7 767	39	4 794	779	953	6 769	2 425
1992..	8 942	4 111	6 508	9 292	2 891	2 079	9 954	10 026	169	2 710	1 381	440	7 410	1 835
Sprays, dusts, granules, fumigants, etc., to control—														
Insects on hay and other crops . . . . . farms, 1997..	36	177	377	211	105	123	262	401	7	282	22	107	400	335
1992..	63	175	602	298	55	202	330	495	6	320	11	94	477	403
acres on which used, 1997..	703	1 042	38 822	2 347	645	675	4 889	4 727	14	1 975	7 473	1 188	4 143	2 068
1992..	1 506	1 223	34 513	2 717	294	1 740	7 343	9 558	21	3 269	4 503	1 057	4 757	3 117
Nematodes in crops . . . . . farms, 1997..	—	8	11	11	—	12	29	24	—	28	—	1	11	5
1992..	2	15	32	11	17	8	36	52	—	14	—	14	30	19
acres on which used, 1997..	—	24	505	16	—	97	536	325	—	118	—	(D)	89	10
1992..	(D)	38	1 274	96	42	40	1 570	1 354	—	113	—	59	86	378
Diseases in crops and orchards. . . . . farms, 1997..	15	56	99	59	104	58	125	124	5	123	8	28	137	116
1992..	13	66	193	96	82	57	174	174	3	49	6	78	115	104
acres on which used, 1997..	121	296	4 215	160	384	230	1 748	966	6	847	2 753	247	1 180	892
1992..	19	226	5 433	379	286	347	3 014	2 104	7	458	511	456	790	649
Weeds, grass, or brush in crops and pasture . . . . . farms, 1997..	86	97	427	125	51	68	157	255	14	112	73	40	154	159
1992..	122	119	541	171	78	59	180	335	22	173	81	80	231	201
acres on which used, 1997..	10 220	4 815	123 407	3 934	258	1 022	10 561	10 952	193	2 153	61 617	2 092	3 633	2 093
1992..	15 695	3 987	129 132	4 185	423	2 061	13 966	9 388	259	3 049	58 107	2 843	3 350	1 627
Chemicals used on crops to control growth, thin fruit, or defoliate . . . . . farms, 1997..	—	10	49	19	25	21	32	55	7	26	3	8	51	41
1992..	7	20	99	47	102	26	103	104	1	72	2	28	75	96
acres on which used, 1997..	—	51	3 817	21	256	56	518	546	14	487	886	90	972	232
1992..	70	44	2 439	188	409	219	1 586	637	(D)	888	(D)	212	486	529

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

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

Chemicals used	Graves		Grayson		Green		Greenup		Hancock		Hardin		Harlan	
	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..
Commercial fertilizer ..... farms,	745	860	1 147	1 274	946	1 107	559	740	375	474	1 262	1 480	10	18
acres on which used,	105 609	101 867	60 558	63 205	39 836	36 467	6 957	14 193	21 302	18 404	89 463	86 617	138	621
1992..														
Cropland fertilized, except pastureland ..... farms,	682	805	987	1 177	896	1 068	543	717	352	449	1 074	1 355	7	16
acres on which used,	101 385	96 504	34 317	36 421	25 401	22 085	5 115	10 246	18 457	15 219	60 546	68 773	94	518
1992..														
Pastureland and rangeland fertilized..... farms,	132	116	518	415	313	368	119	118	86	88	622	439	3	7
acres on which used,	4 224	5 363	26 241	26 784	14 435	14 382	1 842	3 947	2 845	3 185	28 917	17 844	44	103
1992..														
Sprays, dusts, granules, fumigants, etc., to control—														
Insects on hay and other crops ..... farms,	307	361	455	633	387	480	118	146	225	272	481	639	1	8
acres on which used,	11 461	14 199	6 816	5 188	5 265	3 442	890	1 060	3 341	1 708	20 348	14 826	(D)	29
1992..														
Nematodes in crops..... farms,	38	30	18	23	41	51	14	10	8	—	11	20	—	—
acres on which used,	677	786	107	364	2 736	589	14	81	96	—	162	210	—	—
1992..														
Diseases in crops and orchards..... farms,	45	106	127	190	136	57	80	99	63	131	174	144	1	5
acres on which used,	1 592	886	660	718	1 662	321	503	569	592	646	2 485	1 419	(D)	26
1992..														
Weeds, grass, or brush in crops and pasture..... farms,	405	483	286	375	194	223	124	120	103	181	393	438	2	7
acres on which used,	85 272	74 792	16 975	15 040	2 532	5 490	1 409	1 568	12 600	10 449	45 245	39 591	(D)	69
1992..														
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms,	49	47	34	71	89	113	47	48	24	19	50	114	—	3
acres on which used,	846	383	1 138	530	752	876	164	382	1 441	332	252	1 271	—	17
1992..														

  

Chemicals used	Harrison		Hart		Henderson		Henry		Hickman		Hopkins		Jackson		Jefferson	
	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..	1997..	1992..
Commercial fertilizer ..... farms,	755	932	1 212	1 429	364	427	749	956	150	205	275	429	623	741	270	290
acres on which used,	29 991	19 219	38 562	39 290	90 781	103 487	24 778	31 133	71 368	52 170	60 913	50 796	12 542	17 664	10 658	7 400
1992..																
Cropland fertilized, except pastureland ..... farms,	754	901	1 140	1 386	338	411	731	923	138	192	211	365	606	701	239	277
acres on which used,	23 258	15 059	22 182	25 592	86 610	97 252	18 488	22 456	70 003	50 468	56 654	48 032	6 843	9 515	8 060	6 237
1992..																
Pastureland and rangeland fertilized..... farms,	169	122	400	320	68	93	162	197	25	40	118	115	181	203	78	52
acres on which used,	6 733	4 160	16 380	13 698	4 171	6 235	6 290	8 677	1 365	1 702	4 259	2 764	5 699	8 149	2 598	1 163
1992..																
Sprays, dusts, granules, fumigants, etc., to control—																
Insects on hay and other crops ..... farms,	463	572	717	842	114	146	478	693	38	45	54	94	141	243	72	97
acres on which used,	7 916	8 379	10 459	11 492	16 810	27 685	6 394	9 504	13 148	3 829	14 491	10 455	1 292	2 054	1 142	1 007
1992..																
Nematodes in crops..... farms,	66	54	65	35	6	3	41	110	7	7	—	—	26	11	6	1
acres on which used,	736	813	2 800	318	48	(D)	449	1 327	365	(D)	—	(D)	72	132	27	(D)
1992..																
Diseases in crops and orchards..... farms,	183	255	183	128	20	38	169	121	15	12	18	12	82	135	50	29
acres on which used,	2 665	2 364	1 359	634	432	2 339	1 373	922	3 583	1 390	155	103	431	881	364	107
1992..																
Weeds, grass, or brush in crops and pasture..... farms,	230	264	315	387	234	306	223	338	102	124	167	186	93	141	97	81
acres on which used,	4 614	7 447	7 664	7 512	108 762	125 455	8 856	11 438	67 035	54 596	57 155	44 427	1 301	1 506	4 330	2 112
1992..																
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms,	78	143	62	116	15	16	54	90	3	3	1	9	37	97	5	9
acres on which used,	1 361	1 371	601	1 342	7 199	428	582	1 565	788	1 800	(D)	75	388	595	5	17
1992..																

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Chemicals used	1997 and 1992							
	Jessamine	Johnson	Kenton	Knott	Knox	Larue	Laurel	Lawrence
Commercial fertilizer ..... farms, 1997..	547	128	297	6	251	666	936	233
..... 1992..	689	180	377	17	351	809	1 126	281
acres on which used, 1997..	14 251	1 735	3 139	114	7 744	40 963	18 453	1 330
..... 1992..	19 264	2 075	4 328	232	5 267	41 412	27 398	1 882
Cropland fertilized, except pastureland ..... farms, 1997..	522	109	290	6	236	547	886	225
..... 1992..	668	172	371	15	333	779	1 069	264
acres on which used, 1997..	9 866	890	2 264	(D)	4 459	29 225	9 397	1 142
..... 1992..	10 010	1 325	3 956	140	3 947	33 339	14 729	1 562
Pastureland and rangeland fertilized..... farms, 1997..	104	32	50	2	63	302	329	23
..... 1992..	65	15	24	5	66	225	300	24
acres on which used, 1997..	4 385	845	875	(D)	3 285	11 738	9 056	188
..... 1992..	9 254	750	372	92	1 320	8 073	12 669	320
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	295	51	113	—	63	278	244	59
..... 1992..	377	65	182	1	90	435	281	41
acres on which used, 1997..	5 685	181	599	—	404	4 844	1 555	164
..... 1992..	3 262	233	1 039	(D)	316	9 037	1 827	144
Nematodes in crops ..... farms, 1997..	33	8	12	—	19	20	10	—
..... 1992..	35	7	20	—	15	25	11	6
acres on which used, 1997..	196	16	36	—	166	93	311	—
..... 1992..	452	14	230	—	30	446	14	13
Diseases in crops and orchards..... farms, 1997..	159	27	24	—	42	71	138	54
..... 1992..	153	38	44	—	46	76	125	25
acres on which used, 1997..	1 605	82	188	—	142	921	936	164
..... 1992..	1 172	159	281	—	372	390	348	117
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	125	52	96	3	62	212	106	36
..... 1992..	193	39	128	8	65	251	131	63
acres on which used, 1997..	2 020	351	951	23	555	20 674	1 496	171
..... 1992..	3 955	584	1 591	58	414	19 270	3 567	1 134
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	17	15	1	—	9	26	37	17
..... 1992..	87	7	43	—	22	47	95	9
acres on which used, 1997..	149	21	(D)	—	9	2 069	159	48
..... 1992..	635	28	209	—	55	2 230	563	25
Chemicals used								
	Lee	Leslie	Letcher	Lewis	Lincoln	Livingston	Logan	Lyon
Commercial fertilizer ..... farms, 1997..	133	11	12	679	1 073	194	901	135
..... 1992..	161	18	16	872	1 261	232	1 015	192
acres on which used, 1997..	2 078	30	144	22 020	36 685	22 101	132 449	13 788
..... 1992..	1 435	133	78	18 563	35 134	24 163	145 146	13 411
Cropland fertilized, except pastureland ..... farms, 1997..	128	11	10	665	1 011	125	731	108
..... 1992..	161	15	14	859	1 210	181	918	183
acres on which used, 1997..	1 648	30	(D)	13 931	25 030	14 697	106 903	11 146
..... 1992..	1 234	(D)	(D)	12 398	26 961	17 647	128 710	11 352
Pastureland and rangeland fertilized..... farms, 1997..	16	—	3	196	309	95	433	44
..... 1992..	17	3	3	153	235	105	304	42
acres on which used, 1997..	430	—	(D)	8 089	11 655	7 404	25 546	2 642
..... 1992..	201	(D)	(D)	6 165	8 173	6 516	16 436	2 059
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	34	—	3	221	400	6	363	58
..... 1992..	48	2	6	200	459	23	381	91
acres on which used, 1997..	228	—	35	1 824	5 970	870	54 304	2 611
..... 1992..	245	(D)	8	2 168	9 304	616	34 589	1 239
Nematodes in crops ..... farms, 1997..	3	—	1	11	32	1	6	14
..... 1992..	—	—	1	19	73	9	51	9
acres on which used, 1997..	75	—	(D)	152	156	(D)	2 405	(D)
..... 1992..	—	—	(D)	150	1 645	(D)	1 570	(D)
Diseases in crops and orchards..... farms, 1997..	29	1	3	116	166	3	87	12
..... 1992..	35	2	2	141	186	2	138	51
acres on which used, 1997..	197	(D)	11	878	991	96	15 314	349
..... 1992..	212	(D)	(D)	516	2 580	(D)	12 507	819
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	23	3	5	167	273	75	352	38
..... 1992..	58	2	6	216	315	69	426	69
acres on which used, 1997..	201	19	18	2 408	6 994	14 677	65 844	9 836
..... 1992..	679	(D)	22	8 262	11 710	13 882	79 972	7 805
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	16	—	—	40	87	—	32	5
..... 1992..	23	—	—	42	90	—	72	3
acres on which used, 1997..	111	—	—	187	457	—	3 455	(D)
..... 1992..	178	—	—	294	538	—	4 438	(D)

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

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

Chemicals used	McCracken	McCreary	McLean	Madison	Magoffin	Marion	Marshall	Martin
	Commercial fertilizer ..... farms, 1997..	285	75	336	1 132	313	798	401
..... 1992..	285	57	416	1 312	429	1 021	319	10
acres on which used, 1997..	31 079	2 345	70 283	26 879	1 834	39 624	37 545	175
..... 1992..	29 445	711	78 846	24 526	2 922	48 844	30 551	186
Cropland fertilized, except pastureland ..... farms, 1997..	239	49	329	1 040	307	736	295	4
..... 1992..	256	52	409	1 285	422	1 005	257	10
acres on which used, 1997..	29 489	1 378	68 130	13 913	1 421	25 918	29 292	70
..... 1992..	27 056	316	75 367	16 465	2 279	35 917	26 084	136
Pastureland and rangeland fertilized..... farms, 1997..	59	40	47	317	25	294	232	3
..... 1992..	64	20	57	226	47	295	124	3
acres on which used, 1997..	1 590	967	2 153	12 966	413	13 706	8 253	105
..... 1992..	2 389	395	3 479	8 061	643	12 927	4 467	50
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	100	4	190	446	39	355	77	1
..... 1992..	135	5	230	578	96	532	81	—
acres on which used, 1997..	3 200	51	23 040	5 970	84	7 771	1 114	(D)
..... 1992..	1 360	14	16 459	5 413	414	8 139	1 265	—
Nematodes in crops ..... farms, 1997..	29	3	6	20	—	19	1	—
..... 1992..	15	—	12	21	14	2	—	—
acres on which used, 1997..	264	6	290	221	—	455	(D)	—
..... 1992..	74	—	573	398	86	(D)	—	—
Diseases in crops and orchards..... farms, 1997..	48	1	26	145	47	120	26	—
..... 1992..	55	2	35	166	32	138	22	—
acres on which used, 1997..	1 112	(D)	1 084	2 498	180	1 284	309	—
..... 1992..	917	(D)	292	1 218	80	729	255	—
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	166	9	230	220	45	269	122	2
..... 1992..	161	7	304	300	52	275	89	4
acres on which used, 1997..	27 654	86	66 116	4 861	1 942	12 390	25 837	(D)
..... 1992..	28 813	71	74 866	7 232	228	12 463	20 950	23
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	17	—	26	28	36	39	24	—
..... 1992..	28	3	32	118	56	41	12	—
acres on which used, 1997..	55	—	1 814	469	47	335	1 418	—
..... 1992..	946	3	231	849	140	1 522	30	—
Chemicals used	Mason	Meade	Menifee	Mercer	Metcalfe	Monroe	Montgomery	Morgan
Commercial fertilizer ..... farms, 1997..	669	605	307	597	816	835	580	652
..... 1992..	782	705	372	791	923	911	718	734
acres on which used, 1997..	21 964	36 108	5 211	23 422	30 139	43 950	13 993	10 393
..... 1992..	22 149	37 289	4 322	22 172	32 542	45 684	13 586	13 822
Cropland fertilized, except pastureland ..... farms, 1997..	654	495	298	563	763	711	553	620
..... 1992..	769	645	357	745	876	843	702	706
acres on which used, 1997..	18 488	24 255	3 558	14 457	15 347	25 634	9 804	5 214
..... 1992..	19 047	28 886	2 991	16 531	20 791	24 689	9 822	7 922
Pastureland and rangeland fertilized..... farms, 1997..	108	303	67	142	327	363	100	113
..... 1992..	68	226	43	106	243	360	92	167
acres on which used, 1997..	3 476	11 853	1 653	8 965	14 792	18 316	4 189	5 179
..... 1992..	3 102	8 403	1 331	5 641	11 751	20 995	3 764	5 900
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	342	183	123	296	372	266	256	98
..... 1992..	462	281	102	426	508	399	302	153
acres on which used, 1997..	6 589	3 628	692	4 329	2 447	3 262	3 035	977
..... 1992..	11 243	2 320	672	5 077	4 570	4 048	3 792	770
Nematodes in crops ..... farms, 1997..	35	11	—	34	24	11	16	27
..... 1992..	37	17	—	36	21	16	30	—
acres on which used, 1997..	551	11	—	321	140	44	559	394
..... 1992..	601	457	—	171	128	500	281	—
Diseases in crops and orchards..... farms, 1997..	124	27	63	125	96	45	125	131
..... 1992..	160	83	36	87	83	74	158	89
acres on which used, 1997..	1 576	465	261	1 569	549	465	1 583	989
..... 1992..	2 206	562	90	1 120	326	552	1 788	297
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	258	149	80	194	186	147	183	143
..... 1992..	287	286	90	231	178	178	147	127
acres on which used, 1997..	7 683	16 276	2 845	5 065	3 649	4 177	5 741	1 683
..... 1992..	9 634	15 139	1 219	8 306	4 786	5 548	3 551	3 220
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	31	7	33	36	19	15	21	47
..... 1992..	106	42	41	57	81	19	41	84
acres on which used, 1997..	810	7	215	468	79	510	166	469
..... 1992..	1 033	1 137	202	529	541	407	394	606

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

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

Chemicals used	Muhlenberg	Nelson	Nicholas	Ohio	Oldham	Owen	Owsley	Pendleton
	Commercial fertilizer ..... farms, 1997..	397	946	484	712	229	660	227
..... 1992..	515	1 054	531	849	286	789	319	748
acres on which used, 1997..	32 408	55 883	10 532	47 614	16 572	21 627	1 711	18 174
..... 1992..	43 926	43 420	8 423	51 323	18 758	19 859	1 636	13 519
Cropland fertilized, except pastureland ..... farms, 1997..	341	872	467	605	193	634	227	620
..... 1992..	469	1 005	530	816	270	778	319	728
acres on which used, 1997..	25 107	42 981	5 427	39 906	11 643	13 487	931	15 806
..... 1992..	35 961	35 485	5 489	43 531	16 617	13 737	1 466	11 003
Pastureland and rangeland fertilized..... farms, 1997..	168	372	75	247	69	173	19	98
..... 1992..	207	188	57	188	47	106	11	76
acres on which used, 1997..	7 301	12 902	5 105	7 708	4 929	8 140	780	2 368
..... 1992..	7 965	7 935	2 934	7 792	2 141	6 122	170	2 516
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	106	365	208	176	111	351	66	255
..... 1992..	160	469	269	390	151	420	44	293
acres on which used, 1997..	4 896	4 713	2 941	6 684	4 221	4 072	350	2 710
..... 1992..	6 390	8 946	3 020	9 367	7 106	4 159	424	3 408
Nematodes in crops ..... farms, 1997..	—	18	36	31	10	22	—	29
..... 1992..	28	7	1	47	27	19	7	38
acres on which used, 1997..	—	333	435	3 932	229	326	—	623
..... 1992..	718	269	(D)	91	1 494	144	70	410
Diseases in crops and orchards..... farms, 1997..	25	49	99	56	32	121	84	147
..... 1992..	26	103	93	134	26	123	70	101
acres on which used, 1997..	94	410	1 466	175	354	939	476	883
..... 1992..	77	431	717	1 296	580	1 263	249	772
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	111	238	129	241	75	148	26	99
..... 1992..	186	334	115	329	123	167	38	200
acres on which used, 1997..	23 964	25 697	2 145	29 985	7 183	2 299	209	4 405
..... 1992..	24 093	19 172	1 523	40 179	10 495	2 581	138	3 802
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	7	51	13	17	9	56	20	23
..... 1992..	30	74	43	39	40	80	7	110
acres on which used, 1997..	119	287	351	(D)	254	364	103	191
..... 1992..	1 244	1 264	517	133	926	545	70	1 053
Chemicals used								
	Perry	Pike	Powell	Pulaski	Robertson	Rockcastle	Rowan	Russell
Commercial fertilizer ..... farms, 1997..	22	19	178	1 651	239	633	374	807
..... 1992..	27	31	244	1 899	301	764	449	921
acres on which used, 1997..	642	342	2 461	71 894	3 488	14 813	8 432	37 305
..... 1992..	511	441	3 046	70 182	5 323	18 420	12 764	31 940
Cropland fertilized, except pastureland ..... farms, 1997..	17	17	178	1 476	229	605	363	731
..... 1992..	23	24	244	1 725	289	735	426	885
acres on which used, 1997..	244	212	1 651	45 225	2 723	8 557	5 131	19 002
..... 1992..	225	261	2 221	44 413	2 893	12 498	6 836	19 101
Pastureland and rangeland fertilized..... farms, 1997..	8	3	31	724	20	208	69	350
..... 1992..	8	11	29	670	52	168	110	292
acres on which used, 1997..	398	130	810	26 669	765	6 256	3 301	18 303
..... 1992..	286	180	825	25 769	2 430	5 922	5 928	12 839
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	5	1	71	501	116	276	65	216
..... 1992..	10	5	54	564	155	336	97	239
acres on which used, 1997..	(D)	(D)	400	6 098	1 324	2 595	411	1 459
..... 1992..	37	5	342	5 529	1 457	2 609	842	2 791
Nematodes in crops ..... farms, 1997..	1	—	4	12	—	—	1	18
..... 1992..	—	—	9	42	28	—	7	18
acres on which used, 1997..	(D)	—	48	96	—	—	(D)	56
..... 1992..	—	—	27	688	228	—	21	129
Diseases in crops and orchards..... farms, 1997..	3	—	19	191	50	107	60	89
..... 1992..	5	4	18	159	52	93	23	26
acres on which used, 1997..	16	—	74	2 462	618	440	333	502
..... 1992..	8	4	54	807	220	310	90	89
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	11	12	45	274	45	104	81	149
..... 1992..	3	9	46	317	82	125	103	255
acres on which used, 1997..	166	297	862	11 365	619	1 837	1 232	5 288
..... 1992..	46	156	1 332	9 566	4 077	1 934	2 171	8 108
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	—	1	4	99	22	38	7	21
..... 1992..	1	—	—	102	24	79	58	23
acres on which used, 1997..	—	(D)	48	1 093	170	77	88	68
..... 1992..	(D)	—	—	550	158	277	263	1 178

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

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

Chemicals used	Scott	Shelby	Simpson	Spencer	Taylor	Todd	Trigg	Trimble
	Commercial fertilizer ..... farms, 1997..	568	1 093	422	450	789	536	315
..... farms, 1992..	790	1 363	483	557	960	597	377	555
acres on which used, 1997..	18 096	56 149	69 321	20 605	35 315	99 267	57 327	11 871
..... farms, 1992..	14 425	52 567	73 305	16 861	39 452	88 943	43 335	16 120
Cropland fertilized, except pastureland ..... farms, 1997..	553	1 030	364	442	716	482	249	399
..... farms, 1992..	765	1 333	450	551	906	561	348	546
acres on which used, 1997..	12 436	46 189	61 431	15 513	24 107	88 092	38 219	9 665
..... farms, 1992..	11 004	44 335	68 686	13 702	30 243	80 911	32 636	14 897
Pastureland and rangeland fertilized..... farms, 1997..	67	235	139	94	266	187	147	61
..... farms, 1992..	103	195	104	82	280	154	140	45
acres on which used, 1997..	5 660	9 960	7 890	5 092	11 208	11 175	19 108	2 206
..... farms, 1992..	3 421	8 232	4 619	3 159	9 209	8 032	10 699	1 223
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	316	619	191	227	324	281	105	226
..... farms, 1992..	541	850	201	308	390	315	217	347
acres on which used, 1997..	7 092	12 049	20 925	3 151	5 975	41 422	13 472	3 555
..... farms, 1992..	8 890	17 319	8 570	5 304	6 333	25 384	7 789	2 137
Nematodes in crops ..... farms, 1997..	13	87	17	10	9	5	18	8
..... farms, 1992..	35	56	1	6	24	41	10	18
acres on which used, 1997..	440	1 513	302	108	103	585	972	24
..... farms, 1992..	383	1 593	(D)	246	1 050	2 533	(D)	354
Diseases in crops and orchards..... farms, 1997..	116	200	89	37	42	110	29	66
..... farms, 1992..	252	269	83	54	111	89	14	80
acres on which used, 1997..	2 355	3 488	5 279	591	139	13 236	2 839	684
..... farms, 1992..	2 583	2 412	6 822	626	970	9 246	1 391	726
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	147	382	255	103	201	228	127	134
..... farms, 1992..	257	456	241	154	263	318	150	181
acres on which used, 1997..	6 841	30 454	47 320	8 398	8 851	65 619	42 029	5 732
..... farms, 1992..	6 259	25 217	51 499	7 783	11 937	63 452	28 022	7 326
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	33	62	5	4	26	32	8	28
..... farms, 1992..	80	173	47	55	80	58	40	28
acres on which used, 1997..	705	778	(D)	195	221	632	(D)	195
..... farms, 1992..	1 064	3 258	2 407	429	418	3 588	2 006	154
Chemicals used	Union	Warren	Washington	Wayne	Webster	Whitley	Wolfe	Woodford
Commercial fertilizer ..... farms, 1997..	292	1 267	804	701	329	281	340	457
..... farms, 1992..	338	1 545	966	765	344	235	441	595
acres on which used, 1997..	139 655	87 022	29 915	32 233	69 674	10 107	4 464	20 839
..... farms, 1992..	107 034	94 191	29 418	34 170	73 962	4 547	5 938	17 146
Cropland fertilized, except pastureland ..... farms, 1997..	258	1 049	758	634	283	203	322	409
..... farms, 1992..	325	1 356	952	754	314	226	441	576
acres on which used, 1997..	134 168	62 419	19 582	18 358	63 958	6 052	2 468	11 083
..... farms, 1992..	99 997	68 690	21 730	21 789	67 731	2 647	3 516	11 022
Pastureland and rangeland fertilized..... farms, 1997..	81	544	206	328	106	122	63	111
..... farms, 1992..	80	631	196	224	78	43	66	67
acres on which used, 1997..	5 487	24 603	10 333	13 875	5 716	4 055	1 996	9 756
..... farms, 1992..	7 037	25 501	7 688	12 381	6 231	1 900	2 422	6 124
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	82	510	354	202	95	58	48	301
..... farms, 1992..	106	675	512	333	98	60	100	372
acres on which used, 1997..	30 494	21 870	4 869	3 411	14 562	1 223	162	5 846
..... farms, 1992..	23 658	12 912	7 871	2 871	14 647	349	648	6 681
Nematodes in crops ..... farms, 1997..	—	39	37	13	—	4	—	30
..... farms, 1992..	6	40	15	21	1	—	—	15
acres on which used, 1997..	—	244	774	46	—	64	—	726
..... farms, 1992..	2 430	257	303	22	(D)	—	—	510
Diseases in crops and orchards..... farms, 1997..	20	109	95	105	24	6	43	121
..... farms, 1992..	23	130	124	95	15	16	33	129
acres on which used, 1997..	135	6 694	1 796	1 362	3 433	107	196	2 324
..... farms, 1992..	(D)	2 133	1 144	375	670	143	188	2 336
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	208	304	142	166	196	50	38	119
..... farms, 1992..	231	526	280	188	261	3	112	192
acres on which used, 1997..	119 310	36 267	4 881	10 694	70 013	1 436	422	11 913
..... farms, 1992..	112 956	39 419	8 842	8 343	69 478	(D)	1 106	8 848
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	15	60	40	10	23	1	18	48
..... farms, 1992..	33	89	76	54	19	3	28	89
acres on which used, 1997..	3 499	1 454	756	151	294	(D)	52	890
..... farms, 1992..	610	1 654	990	383	852	(D)	275	1 180