

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	County						
	Missouri	Adair	Andrew	Atchison	Audrain	Barry	Barton
Commercial fertilizer farms, 1997..	60 971	440	468	398	693	774	668
..... 1992..	63 272	384	608	456	795	820	643
acres on which used, 1997..	9 739 641	46 461	76 484	140 431	200 839	69 377	161 948
..... 1992..	9 693 513	43 664	72 572	147 655	183 429	78 099	149 774
Cropland fertilized, except pastureland farms, 1997..	44 611	373	438	398	615	437	542
..... 1992..	50 543	360	559	456	769	580	535
acres on which used, 1997..	7 198 251	31 978	71 736	131 555	184 990	32 602	137 439
..... 1992..	7 397 696	33 195	65 675	138 727	172 999	41 225	123 849
Pastureland and rangeland fertilized..... farms, 1997..	30 737	157	118	97	259	514	344
..... 1992..	27 135	128	128	79	181	416	257
acres on which used, 1997..	2 541 390	14 483	4 748	8 876	15 849	36 775	24 509
..... 1992..	2 295 817	10 469	6 897	8 928	10 430	36 874	25 925
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	9 080	22	86	182	175	108	97
..... 1992..	22 204	125	285	210	263	274	265
acres on which used, 1997..	1 396 161	1 147	12 636	36 563	41 687	5 743	18 869
..... 1992..	1 786 060	7 167	20 542	51 568	31 755	9 994	41 567
Nematodes in crops farms, 1997..	784	—	—	12	22	2	—
..... 1992..	824	5	9	3	18	—	9
acres on which used, 1997..	133 921	—	—	2 735	2 245	(D)	—
..... 1992..	101 908	150	188	885	1 407	—	1 380
Diseases in crops and orchards..... farms, 1997..	1 166	1	19	13	11	10	6
..... 1992..	1 161	2	2	1	7	7	6
acres on which used, 1997..	113 941	(D)	616	1 650	337	167	1 283
..... 1992..	99 369	(D)	(D)	(D)	255	(D)	1 194
Weeds, grass, or brush in crops and pasture farms, 1997..	26 277	262	453	360	473	175	394
..... 1992..	27 890	270	500	381	497	141	350
acres on which used, 1997..	6 990 724	37 223	119 099	183 509	194 496	13 505	107 461
..... 1992..	6 674 544	36 508	94 824	183 917	167 144	5 134	79 483
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1 322	17	11	13	—	14	11
..... 1992..	1 711	1	25	8	27	7	8
acres on which used, 1997..	416 501	184	45	3 935	—	346	2 808
..... 1992..	347 601	(D)	877	1 020	5 218	650	272
Chemicals used							
	Bates	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell
Commercial fertilizer farms, 1997..	809	483	559	474	494	502	475
..... 1992..	772	420	604	642	496	521	504
acres on which used, 1997..	159 555	55 388	62 413	60 125	66 263	158 203	47 326
..... 1992..	168 658	59 072	67 377	72 347	58 376	166 044	59 484
Cropland fertilized, except pastureland farms, 1997..	557	328	366	369	441	404	392
..... 1992..	669	338	489	535	462	449	475
acres on which used, 1997..	104 962	32 572	44 271	45 648	58 750	151 008	35 407
..... 1992..	132 922	38 053	47 513	61 312	47 441	162 176	51 440
Pastureland and rangeland fertilized..... farms, 1997..	452	315	316	214	152	151	170
..... 1992..	301	218	264	202	183	96	77
acres on which used, 1997..	54 593	22 816	18 142	14 477	7 513	7 195	11 919
..... 1992..	35 736	21 019	19 864	11 035	10 935	3 868	8 044
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	105	17	26	91	108	59	54
..... 1992..	346	309	117	327	321	88	162
acres on which used, 1997..	18 432	496	863	8 162	11 490	13 341	5 966
..... 1992..	37 261	9 486	2 536	21 259	27 197	11 545	7 934
Nematodes in crops farms, 1997..	5	—	1	18	3	20	—
..... 1992..	6	1	9	13	25	1	1
acres on which used, 1997..	3 044	—	(D)	547	1 062	1 552	—
..... 1992..	(D)	(D)	1 061	520	522	(D)	(D)
Diseases in crops and orchards..... farms, 1997..	2	—	—	18	17	32	—
..... 1992..	19	1	9	35	24	45	1
acres on which used, 1997..	(D)	—	—	349	689	5 827	—
..... 1992..	2 932	(D)	487	131	276	6 156	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	415	182	167	234	366	292	279
..... 1992..	403	208	174	321	386	352	429
acres on which used, 1997..	114 653	26 198	30 358	49 863	67 099	152 667	53 968
..... 1992..	109 684	18 808	29 095	53 132	57 625	152 500	69 940
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	—	—	13	5	33	—
..... 1992..	10	1	8	27	26	6	10
acres on which used, 1997..	—	—	—	6 939	2 323	7 159	—
..... 1992..	1 366	(D)	329	2 286	268	1 285	503

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	Callaway	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar
	Commercial fertilizer farms, 1997..	714	319	793	552	117	782
..... 1992..	725	274	900	681	110	867	506
acres on which used, 1997..	105 036	27 817	125 344	142 807	9 341	123 459	44 776
..... 1992..	95 158	19 255	107 067	139 934	8 056	129 061	50 184
Cropland fertilized, except pastureland farms, 1997..	515	183	613	488	57	593	267
..... 1992..	589	181	746	598	62	677	365
acres on which used, 1997..	85 550	10 337	98 157	132 787	4 468	93 080	20 836
..... 1992..	79 680	8 047	89 846	119 708	3 859	97 307	26 223
Pastureland and rangeland fertilized..... farms, 1997..	335	193	436	120	71	381	269
..... 1992..	282	143	403	227	60	451	219
acres on which used, 1997..	19 486	17 480	27 187	10 020	4 873	30 379	23 940
..... 1992..	15 478	11 208	17 221	20 226	4 197	31 754	23 961
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	121	24	149	127	—	114	22
..... 1992..	312	139	305	166	15	358	75
acres on which used, 1997..	15 722	1 116	5 782	24 216	—	13 878	503
..... 1992..	15 289	1 699	11 901	17 024	352	16 524	4 409
Nematodes in crops farms, 1997..	17	2	6	1	—	1	—
..... 1992..	20	—	6	2	—	1	—
acres on which used, 1997..	746	(D)	66	(D)	—	(D)	—
..... 1992..	1 271	—	860	(D)	—	(D)	—
Diseases in crops and orchards..... farms, 1997..	14	9	11	9	3	13	—
..... 1992..	30	8	21	11	—	29	—
acres on which used, 1997..	373	1 060	478	145	3	1 059	—
..... 1992..	219	8	1 801	220	—	529	—
Weeds, grass, or brush in crops and pasture farms, 1997..	328	24	327	452	12	394	115
..... 1992..	341	8	438	530	13	423	85
acres on which used, 1997..	65 276	1 556	72 305	179 664	489	97 455	11 663
..... 1992..	70 656	160	67 566	150 872	228	76 138	4 807
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1	7	19	19	—	10	8
..... 1992..	27	—	4	7	—	26	—
acres on which used, 1997..	(D)	7	1 068	2 930	—	(D)	120
..... 1992..	726	—	1 482	3 548	—	3 614	—
Chemicals used							
	Chariton	Christian	Clark	Clay	Clinton	Cole	Cooper
Commercial fertilizer farms, 1997..	713	731	475	281	382	717	596
..... 1992..	790	769	446	264	404	755	636
acres on which used, 1997..	157 422	62 390	105 552	44 174	67 724	44 554	136 237
..... 1992..	149 937	62 515	96 459	37 933	66 114	49 970	124 162
Cropland fertilized, except pastureland farms, 1997..	549	475	424	219	291	438	499
..... 1992..	773	460	411	229	346	570	549
acres on which used, 1997..	132 725	30 102	92 907	33 811	49 618	21 242	112 969
..... 1992..	127 086	24 848	86 913	30 786	55 883	30 794	101 749
Pastureland and rangeland fertilized..... farms, 1997..	288	461	193	88	162	482	292
..... 1992..	236	490	145	71	136	394	249
acres on which used, 1997..	24 697	32 288	12 645	10 363	18 106	23 312	23 268
..... 1992..	22 851	37 667	9 546	7 147	10 231	19 176	22 413
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	149	110	138	66	60	81	135
..... 1992..	411	206	195	106	118	121	230
acres on which used, 1997..	34 003	6 226	24 467	3 435	7 306	2 669	20 126
..... 1992..	36 094	7 888	19 005	5 661	10 138	7 030	23 991
Nematodes in crops farms, 1997..	16	1	25	1	7	7	2
..... 1992..	15	8	19	16	—	—	8
acres on which used, 1997..	1 643	(D)	1 690	(D)	98	350	(D)
..... 1992..	651	8	2 192	423	—	—	715
Diseases in crops and orchards..... farms, 1997..	12	9	1	18	14	16	13
..... 1992..	10	9	1	1	15	21	16
acres on which used, 1997..	355	85	(D)	440	1 624	200	381
..... 1992..	(D)	9	(D)	(D)	551	824	2 097
Weeds, grass, or brush in crops and pasture farms, 1997..	523	157	357	176	244	170	370
..... 1992..	581	102	273	244	300	165	388
acres on which used, 1997..	153 498	7 802	95 861	49 013	65 208	7 200	89 421
..... 1992..	152 458	2 805	74 463	41 574	62 297	11 719	80 465
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	8	10	1	1	7	6	2
..... 1992..	22	32	9	2	—	—	13
acres on which used, 1997..	440	190	(D)	(D)	17	6	(D)
..... 1992..	2 971	778	100	(D)	—	—	1 433

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

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Chemicals used	County						
	Crawford	Dade	Dallas	Daviess	De Kalb	Dent	Douglas
Commercial fertilizer farms, 1997..	416	533	641	496	348	527	737
..... farms, 1992..	424	556	609	524	453	478	775
acres on which used, 1997..	45 630	76 794	48 245	76 155	57 673	53 811	59 535
..... acres on which used, 1992..	38 098	85 442	52 248	69 622	72 301	55 634	73 405
Cropland fertilized, except pastureland farms, 1997..	257	312	387	438	260	289	407
..... farms, 1992..	245	317	433	472	399	243	514
acres on which used, 1997..	19 239	39 438	21 436	57 699	40 868	15 049	24 639
..... acres on which used, 1992..	11 949	45 708	28 002	57 838	53 830	12 498	28 570
Pastureland and rangeland fertilized..... farms, 1997..	303	349	377	201	170	374	497
..... farms, 1992..	306	327	330	165	150	376	470
acres on which used, 1997..	26 391	37 356	26 809	18 456	16 805	38 762	34 896
..... acres on which used, 1992..	26 149	39 734	24 246	11 784	18 471	43 136	44 835
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	15	72	25	91	32	14	50
..... farms, 1992..	85	276	118	141	190	187	153
acres on which used, 1997..	747	9 270	872	10 056	7 782	202	2 848
..... acres on which used, 1992..	979	13 320	7 213	10 514	8 454	2 174	3 028
Nematodes in crops farms, 1997..	1	—	—	—	—	—	—
..... farms, 1992..	(D)	9	1	—	8	—	—
acres on which used, 1997..	(D)	—	—	—	—	—	—
..... acres on which used, 1992..	—	392	(D)	—	96	—	—
Diseases in crops and orchards..... farms, 1997..	2	—	17	11	—	1	9
..... farms, 1992..	8	11	20	4	—	—	1
acres on which used, 1997..	(D)	—	35	55	—	(D)	9
..... acres on which used, 1992..	17	55	163	16	—	—	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	39	185	64	391	230	46	86
..... farms, 1992..	75	119	57	380	363	71	33
acres on which used, 1997..	886	23 608	2 367	98 392	46 554	1 291	6 022
..... acres on which used, 1992..	3 413	27 551	2 206	76 292	61 901	5 909	1 797
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	2	4	—	—	2	—	4
..... farms, 1992..	1	—	7	4	2	—	19
acres on which used, 1997..	(D)	911	—	—	(D)	—	4
..... acres on which used, 1992..	(D)	—	246	504	(D)	—	252

Chemicals used	County							
	Dunklin	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
Commercial fertilizer farms, 1997..	423	1 105	582	383	1 144	332	434	612
..... farms, 1992..	507	1 034	660	425	1 174	316	549	613
acres on which used, 1997..	234 645	107 874	50 911	75 868	88 541	63 219	74 799	110 048
..... acres on which used, 1992..	203 230	96 890	51 731	74 134	83 762	66 241	95 428	116 481
Cropland fertilized, except pastureland farms, 1997..	395	809	424	349	761	283	347	409
..... farms, 1992..	507	817	495	387	761	293	490	467
acres on which used, 1997..	233 217	74 413	24 495	50 325	46 297	54 678	56 385	69 408
..... acres on which used, 1992..	202 880	67 104	27 025	54 261	44 399	57 299	75 483	81 542
Pastureland and rangeland fertilized..... farms, 1997..	43	600	364	131	618	127	193	354
..... farms, 1992..	3	507	399	169	649	70	167	359
acres on which used, 1997..	1 428	33 461	26 416	25 543	42 244	8 541	18 414	40 640
..... acres on which used, 1992..	350	29 786	24 706	19 873	39 363	8 942	19 945	34 939
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	241	98	82	89	121	55	49	61
..... farms, 1992..	359	254	286	171	304	153	159	272
acres on which used, 1997..	121 489	4 114	6 744	14 908	7 218	7 140	4 815	10 050
..... acres on which used, 1992..	110 118	14 564	6 508	17 963	13 703	14 580	17 860	19 204
Nematodes in crops farms, 1997..	96	6	—	—	12	22	21	—
..... farms, 1992..	37	10	1	3	9	1	9	8
acres on which used, 1997..	40 050	234	—	—	12	809	1 080	—
..... acres on which used, 1992..	15 757	701	(D)	(D)	344	(D)	5 046	828
Diseases in crops and orchards..... farms, 1997..	47	24	16	5	16	3	—	—
..... farms, 1992..	67	4	1	3	20	6	17	14
acres on which used, 1997..	17 284	51	590	1 300	(D)	(D)	—	—
..... acres on which used, 1992..	12 829	(D)	(D)	(D)	227	1 929	1 926	1 600
Weeds, grass, or brush in crops and pasture farms, 1997..	321	320	154	258	239	258	331	287
..... farms, 1992..	386	326	182	357	218	250	372	312
acres on which used, 1997..	230 896	42 574	13 613	59 065	10 388	72 213	81 304	56 134
..... acres on which used, 1992..	177 767	36 815	13 796	71 009	7 264	70 812	82 478	74 969
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	246	10	6	12	8	1	—	—
..... farms, 1992..	316	1	5	20	14	2	2	2
acres on which used, 1997..	138 842	3 453	24	2 130	292	(D)	—	—
..... acres on which used, 1992..	111 068	(D)	60	1 094	466	(D)	(D)	(D)

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Chemicals used	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper	Jefferson
	Commercial fertilizer farms, 1997..	315	357	518	1 181	169	342	669
..... 1992..	323	441	501	1 094	152	397	678	333
acres on which used, 1997..	45 319	99 744	77 681	115 114	13 027	56 267	90 402	22 121
..... 1992..	33 654	111 302	71 987	103 326	7 935	49 370	113 000	26 624
Cropland fertilized, except pastureland farms, 1997..	205	336	440	575	104	247	433	195
..... 1992..	214	427	450	589	107	322	483	269
acres on which used, 1997..	21 210	93 236	66 771	31 902	4 748	51 624	61 158	16 756
..... 1992..	18 504	103 333	60 186	32 241	4 734	43 480	86 667	22 930
Pastureland and rangeland fertilized..... farms, 1997..	214	66	193	882	112	124	344	87
..... 1992..	151	70	141	717	87	122	355	109
acres on which used, 1997..	24 109	6 508	10 910	83 212	8 279	4 643	29 244	5 365
..... 1992..	15 150	7 969	11 801	71 085	3 201	5 890	26 333	3 694
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	3	107	165	87	9	95	66	49
..... 1992..	72	177	279	251	42	214	252	140
acres on which used, 1997..	(D)	23 688	14 186	3 642	120	7 403	6 757	3 282
..... 1992..	5 043	28 651	16 156	5 872	578	7 302	21 136	2 330
Nematodes in crops farms, 1997..	—	9	7	6	—	9	1	—
..... 1992..	1	—	2	2	—	30	1	1
acres on which used, 1997..	—	343	905	60	—	9	(D)	—
..... 1992..	(D)	—	(D)	(D)	—	375	(D)	(D)
Diseases in crops and orchards..... farms, 1997..	10	—	33	7	—	38	10	9
..... 1992..	2	3	14	19	—	23	4	19
acres on which used, 1997..	360	—	2 873	14	—	393	59	210
..... 1992..	(D)	(D)	791	25	—	511	5	128
Weeds, grass, or brush in crops and pasture farms, 1997..	39	370	261	109	—	202	247	106
..... 1992..	29	370	323	132	6	181	278	79
acres on which used, 1997..	1 487	143 652	52 098	8 226	—	59 991	50 276	7 960
..... 1992..	2 916	140 578	57 696	4 554	(D)	49 815	46 135	9 605
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1	6	19	8	1	4	2	—
..... 1992..	2	3	30	1	9	21	—	—
acres on which used, 1997..	(D)	43	523	8	(D)	(D)	(D)	—
..... 1992..	(D)	1 690	969	(D)	11	407	—	—
Chemicals used								
	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis	Lincoln	Linn
Commercial fertilizer farms, 1997..	973	395	845	854	1 025	474	608	466
..... 1992..	976	462	772	949	940	438	626	584
acres on which used, 1997..	143 013	90 095	81 069	165 451	118 752	112 518	99 986	73 540
..... 1992..	124 766	82 827	77 268	171 017	128 014	103 680	102 255	91 431
Cropland fertilized, except pastureland farms, 1997..	668	338	532	712	655	417	523	297
..... 1992..	759	438	526	819	668	416	526	534
acres on which used, 1997..	86 347	73 139	32 438	145 014	53 105	99 369	88 782	47 311
..... 1992..	89 937	72 010	34 570	145 555	67 548	91 498	86 708	69 982
Pastureland and rangeland fertilized..... farms, 1997..	567	174	581	362	645	161	220	255
..... 1992..	427	118	433	458	551	127	266	200
acres on which used, 1997..	56 666	16 956	48 631	20 437	65 647	13 149	11 204	26 229
..... 1992..	34 829	10 817	42 698	25 462	60 466	12 182	15 547	21 449
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	81	92	40	161	163	102	127	73
..... 1992..	220	142	256	371	546	160	331	90
acres on which used, 1997..	8 774	9 331	1 896	25 556	10 344	17 037	23 758	8 516
..... 1992..	15 307	16 289	6 765	30 865	28 228	20 055	29 591	10 447
Nematodes in crops farms, 1997..	7	1	1	24	—	—	5	—
..... 1992..	—	8	2	8	8	6	33	7
acres on which used, 1997..	105	(D)	(D)	526	—	—	540	—
..... 1992..	—	2 016	(D)	370	440	18	1 454	192
Diseases in crops and orchards..... farms, 1997..	11	6	8	13	30	15	16	—
..... 1992..	24	—	1	28	17	1	22	8
acres on which used, 1997..	38	120	96	2 120	532	627	1 313	—
..... 1992..	186	—	(D)	3 213	274	(D)	947	561
Weeds, grass, or brush in crops and pasture farms, 1997..	539	341	90	545	214	315	364	253
..... 1992..	483	295	30	647	181	311	335	356
acres on which used, 1997..	97 040	94 174	3 932	155 090	20 514	105 426	83 322	54 395
..... 1992..	82 180	72 894	3 700	160 705	14 732	84 792	63 062	68 906
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	16	5	—	11	30	—	2	15
..... 1992..	8	12	4	31	7	3	6	3
acres on which used, 1997..	2 261	382	—	3 428	797	—	(D)	651
..... 1992..	352	1 572	299	1 364	519	879	1 056	(D)

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Chemicals used	Livingston								
	Livingston	McDonald	Macon	Madison	Maries	Marion	Mercer	Miller	
Commercial fertilizer farms, 1997..	465	461	579	296	611	513	309	647	
1992..	495	420	657	270	536	519	292	635	
acres on which used, 1997..	91 862	32 987	80 287	26 222	74 820	92 491	49 567	56 838	
1992..	73 788	30 627	82 941	36 091	60 192	84 416	40 808	52 741	
Cropland fertilized, except pastureland farms, 1997..	398	259	480	185	375	460	238	455	
1992..	431	244	595	180	318	485	251	464	
acres on which used, 1997..	78 869	11 462	61 291	11 172	28 500	82 531	33 200	26 799	
1992..	66 719	12 350	67 426	17 180	17 599	73 920	33 572	28 900	
Pastureland and rangeland fertilized. farms, 1997..	201	259	207	185	467	188	158	383	
1992..	116	245	154	153	414	183	85	337	
acres on which used, 1997..	12 993	21 525	18 996	15 050	46 320	9 960	16 367	30 039	
1992..	7 069	18 277	15 515	18 911	42 593	10 496	7 236	23 841	
Sprays, dusts, granules, fumigants, etc., to control—									
Insects on hay and other crops farms, 1997..	50	9	78	7	8	134	60	17	
1992..	120	171	278	15	45	238	107	167	
acres on which used, 1997..	15 808	954	14 448	346	129	21 443	4 571	2 390	
1992..	11 645	3 914	20 290	479	1 305	16 515	7 481	2 925	
Nematodes in crops farms, 1997..	3	—	—	—	—	—	—	—	
1992..	6	—	13	—	—	16	16	—	
acres on which used, 1997..	(D)	—	—	—	—	—	—	—	
1992..	239	—	864	—	—	1 819	448	—	
Diseases in crops and orchards. farms, 1997..	9	—	10	—	7	24	6	6	
1992..	10	—	—	—	2	10	—	—	
acres on which used, 1997..	135	—	300	—	7	7 683	840	600	
1992..	2 303	—	—	—	(D)	758	—	—	
Weeds, grass, or brush in crops and pasture farms, 1997..	312	185	322	47	77	323	191	98	
1992..	375	75	326	9	84	350	166	109	
acres on which used, 1997..	92 763	9 222	63 169	953	3 463	80 495	42 920	8 956	
1992..	107 815	1 685	76 003	392	5 650	76 587	25 347	8 610	
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	—	—	—	7	9	—	7	
1992..	1	—	19	14	—	23	10	—	
acres on which used, 1997..	—	—	—	—	70	463	—	140	
1992..	(D)	—	3 829	204	—	1 265	6 714	—	
Chemicals used	Mississippi								
	Mississippi	Moniteau	Monroe	Montgomery	Morgan	New Madrid	Newton	Nodaway	
Commercial fertilizer farms, 1997..	212	699	618	528	528	392	792	833	
1992..	237	601	585	554	553	428	858	1 032	
acres on which used, 1997..	142 638	82 009	127 417	101 863	49 352	246 107	74 119	170 670	
1992..	153 888	66 088	133 953	103 187	64 774	237 962	60 592	190 337	
Cropland fertilized, except pastureland farms, 1997..	212	363	517	437	405	384	482	707	
1992..	237	478	532	503	387	428	661	944	
acres on which used, 1997..	142 046	41 985	107 413	90 123	32 176	245 467	37 399	129 066	
1992..	(D)	45 746	118 979	90 701	39 860	(D)	37 043	152 609	
Pastureland and rangeland fertilized. farms, 1997..	11	540	227	197	261	11	451	427	
1992..	2	331	200	171	316	2	322	417	
acres on which used, 1997..	592	40 024	20 004	11 740	17 176	640	36 720	41 604	
1992..	(D)	20 342	14 974	12 486	24 914	(D)	23 549	37 728	
Sprays, dusts, granules, fumigants, etc., to control—									
Insects on hay and other crops farms, 1997..	47	39	117	110	53	209	65	212	
1992..	63	168	163	225	157	195	318	432	
acres on which used, 1997..	27 599	5 549	15 926	19 293	1 288	75 475	2 928	27 734	
1992..	34 951	11 709	22 215	24 047	8 206	68 005	8 187	36 004	
Nematodes in crops farms, 1997..	6	1	36	1	8	35	1	11	
1992..	5	15	25	21	—	40	10	2	
acres on which used, 1997..	2 446	(D)	6 626	(D)	440	12 854	(D)	1 703	
1992..	1 421	321	4 443	1 407	—	12 842	894	(D)	
Diseases in crops and orchards. farms, 1997..	24	20	13	11	30	36	2	9	
1992..	21	25	4	4	—	20	24	2	
acres on which used, 1997..	10 224	387	1 094	67	548	8 865	(D)	165	
1992..	6 578	4 540	417	753	—	3 988	909	(D)	
Weeds, grass, or brush in crops and pasture farms, 1997..	204	207	402	300	154	341	137	686	
1992..	205	193	379	366	186	307	98	814	
acres on which used, 1997..	208 420	28 310	108 202	96 410	16 893	288 449	11 808	181 282	
1992..	190 745	34 074	100 385	78 181	22 592	262 557	6 817	208 140	
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	11	2	13	15	—	190	8	2	
1992..	36	1	12	8	1	223	—	26	
acres on which used, 1997..	8 965	(D)	661	1 513	—	71 257	199	(D)	
1992..	6 170	(D)	663	273	(D)	70 602	—	3 982	

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	Oregon	Osage	Ozark	Pemiscot	Perry	Pettis	Phelps	Pike
	Commercial fertilizer farms, 1997..	522	871	538	266	619	815	437
..... farms, 1992..	521	816	471	286	668	802	484	694
acres on which used, 1997..	73 631	84 819	68 418	157 658	79 151	145 802	39 529	129 181
..... farms, 1992..	65 997	82 563	55 052	160 650	92 361	155 010	40 827	124 068
Cropland fertilized, except pastureland farms, 1997..	314	549	326	266	422	655	289	547
..... farms, 1992..	293	646	245	286	529	717	285	633
acres on which used, 1997..	17 587	35 691	14 415	157 658	58 858	118 643	13 486	114 304
..... farms, 1992..	14 700	43 360	11 796	158 635	69 057	123 083	17 694	110 761
Pastureland and rangeland fertilized..... farms, 1997..	332	576	401	—	372	373	318	174
..... farms, 1992..	361	488	319	11	373	296	300	176
acres on which used, 1997..	56 044	49 128	54 003	—	20 293	27 159	26 043	14 877
..... farms, 1992..	51 297	39 203	43 256	2 015	23 304	31 927	23 133	13 307
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	49	125	36	137	168	84	16	151
..... farms, 1992..	149	362	141	189	336	205	101	254
acres on which used, 1997..	1 371	5 951	1 509	74 612	9 701	16 154	77	28 993
..... farms, 1992..	4 149	7 870	4 380	62 446	17 542	23 977	1 203	30 709
Nematodes in crops farms, 1997..	—	9	2	12	8	8	1	31
..... farms, 1992..	—	16	1	9	20	23	11	8
acres on which used, 1997..	—	103	(D)	6 435	160	620	(D)	2 551
..... farms, 1992..	—	548	(D)	3 021	1 314	890	275	4 067
Diseases in crops and orchards..... farms, 1997..	—	8	2	10	9	22	1	14
..... farms, 1992..	6	13	—	21	5	16	30	16
acres on which used, 1997..	—	106	(D)	3 051	99	1 220	(D)	(D)
..... farms, 1992..	120	325	—	4 943	422	281	163	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	80	194	94	209	279	397	109	362
..... farms, 1992..	139	264	31	282	365	456	89	440
acres on which used, 1997..	1 778	16 512	4 893	232 447	52 261	112 140	4 423	94 618
..... farms, 1992..	8 292	23 358	3 761	220 256	49 990	104 840	4 528	87 688
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	—	—	141	2	12	—	14
..... farms, 1992..	—	10	—	131	9	3	10	18
acres on which used, 1997..	—	—	—	71 181	(D)	355	—	(D)
..... farms, 1992..	—	385	—	52 873	350	(D)	136	385
Chemicals used								
	Platte	Polk	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds
Commercial fertilizer farms, 1997..	468	984	316	288	327	440	548	167
..... farms, 1992..	492	992	273	396	433	448	611	180
acres on which used, 1997..	63 383	94 769	29 145	46 282	94 390	48 448	75 582	12 122
..... farms, 1992..	57 737	99 945	21 809	65 857	105 606	48 851	95 109	12 120
Cropland fertilized, except pastureland farms, 1997..	413	617	177	193	317	358	444	116
..... farms, 1992..	460	738	159	295	396	443	517	125
acres on which used, 1997..	57 683	51 492	12 556	23 771	87 406	37 446	60 199	5 608
..... farms, 1992..	51 749	55 979	10 660	38 732	94 956	40 203	82 205	4 096
Pastureland and rangeland fertilized..... farms, 1997..	135	571	171	161	94	165	210	112
..... farms, 1992..	106	556	155	189	138	86	160	88
acres on which used, 1997..	5 700	43 277	16 589	22 511	6 984	11 002	15 383	6 514
..... farms, 1992..	5 988	43 966	11 149	27 125	10 650	8 648	12 904	8 024
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	157	79	14	22	86	67	79	—
..... farms, 1992..	274	461	56	123	123	219	115	41
acres on which used, 1997..	13 709	5 166	514	2 989	15 179	7 423	8 517	—
..... farms, 1992..	15 418	23 796	650	14 106	10 658	11 388	10 021	529
Nematodes in crops farms, 1997..	14	4	—	6	4	6	—	—
..... farms, 1992..	8	1	—	1	2	7	2	—
acres on which used, 1997..	330	400	—	480	685	396	—	—
..... farms, 1992..	162	(D)	—	(D)	(D)	710	(D)	—
Diseases in crops and orchards..... farms, 1997..	22	18	1	—	—	6	—	—
..... farms, 1992..	21	2	—	—	7	8	10	20
acres on which used, 1997..	542	78	(D)	—	—	80	—	—
..... farms, 1992..	1 207	(D)	—	—	112	258	2 252	335
Weeds, grass, or brush in crops and pasture farms, 1997..	333	174	30	134	289	252	375	19
..... farms, 1992..	370	119	44	180	292	245	427	1
acres on which used, 1997..	65 795	9 469	2 640	15 441	94 875	35 719	80 456	450
..... farms, 1992..	73 895	7 307	4 442	31 149	90 167	43 243	100 371	(D)
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	20	6	—	1	1	—	16	—
..... farms, 1992..	40	3	1	2	1	1	21	—
acres on which used, 1997..	1 624	66	—	(D)	(D)	—	3 382	—
..... farms, 1992..	529	81	(D)	(D)	(D)	(D)	1 841	—

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	Ripley	St. Charles	St. Clair	Ste. Genevieve	St. Francois	St. Louis	Saline	Schuyler
	Commercial fertilizer farms, 1997..	327	435	493	487	406	128	699
..... farms, 1992..	338	591	503	447	423	181	694	277
acres on which used, 1997..	36 659	80 084	77 115	43 592	27 153	14 316	199 163	46 966
..... farms, 1992..	50 218	91 913	78 777	46 228	25 984	13 664	178 643	35 459
Cropland fertilized, except pastureland farms, 1997..	165	391	295	351	228	128	635	222
..... farms, 1992..	170	553	436	349	292	174	667	239
acres on which used, 1997..	19 176	73 937	47 948	25 823	13 987	14 086	182 302	40 388
..... farms, 1992..	32 008	87 689	53 978	33 811	12 036	13 450	162 056	25 909
Pastureland and rangeland fertilized..... farms, 1997..	191	121	295	266	247	9	215	100
..... farms, 1992..	197	105	214	232	227	8	194	98
acres on which used, 1997..	17 483	6 147	29 167	17 769	13 166	230	16 861	6 578
..... farms, 1992..	18 210	4 224	24 799	12 417	13 948	214	16 587	9 550
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	6	176	49	62	37	63	256	51
..... farms, 1992..	70	329	69	58	67	152	308	140
acres on which used, 1997..	657	34 344	4 128	4 710	757	3 409	50 930	3 170
..... farms, 1992..	2 592	36 953	10 600	4 627	2 815	5 635	36 737	5 661
Nematodes in crops farms, 1997..	2	26	1	10	—	9	36	1
..... farms, 1992..	8	2	17	14	2	9	21	8
acres on which used, 1997..	(D)	3 915	(D)	(D)	—	894	3 288	(D)
..... farms, 1992..	939	(D)	555	387	(D)	190	926	336
Diseases in crops and orchards..... farms, 1997..	7	18	—	15	—	20	19	—
..... farms, 1992..	8	32	7	1	9	26	3	—
acres on which used, 1997..	(D)	374	—	171	—	162	1 615	—
..... farms, 1992..	558	1 779	665	(D)	70	2 546	(D)	—
Weeds, grass, or brush in crops and pasture farms, 1997..	77	334	159	127	32	73	447	118
..... farms, 1992..	67	354	170	128	49	89	576	130
acres on which used, 1997..	15 016	90 569	45 580	15 313	1 185	9 927	181 265	16 257
..... farms, 1992..	23 957	94 860	22 272	20 693	2 911	11 154	198 220	13 826
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	14	—	12	—	4	15	1
..... farms, 1992..	—	12	11	2	—	12	9	1
acres on which used, 1997..	—	324	—	276	—	10	5 843	(D)
..... farms, 1992..	—	312	22	(D)	—	154	122	(D)
Chemicals used	Scotland	Scott	Shannon	Shelby	Stoddard	Stone	Sullivan	Taney
Commercial fertilizer farms, 1997..	360	375	252	464	687	408	426	242
..... farms, 1992..	376	410	283	482	732	402	378	198
acres on which used, 1997..	75 231	140 098	22 836	122 996	313 161	29 075	61 628	20 320
..... farms, 1992..	76 935	130 737	26 502	103 263	303 136	29 758	53 392	16 685
Cropland fertilized, except pastureland farms, 1997..	336	340	112	443	606	221	297	165
..... farms, 1992..	374	368	164	455	684	259	318	148
acres on which used, 1997..	67 225	137 277	6 560	106 704	307 219	9 880	31 498	6 513
..... farms, 1992..	71 182	129 093	8 677	89 024	298 085	14 433	40 576	6 247
Pastureland and rangeland fertilized..... farms, 1997..	107	86	188	140	189	295	214	136
..... farms, 1992..	72	62	201	170	98	232	141	92
acres on which used, 1997..	8 006	2 821	16 276	16 292	5 942	19 195	30 130	13 807
..... farms, 1992..	5 753	1 644	17 825	14 239	5 051	15 325	12 816	10 438
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	94	118	10	138	170	26	36	3
..... farms, 1992..	176	107	34	128	143	152	122	86
acres on which used, 1997..	14 194	24 638	320	16 378	65 463	1 901	4 489	579
..... farms, 1992..	19 059	13 012	446	13 025	55 780	3 822	8 215	3 753
Nematodes in crops farms, 1997..	—	19	—	16	44	—	1	—
..... farms, 1992..	1	6	—	36	8	—	1	1
acres on which used, 1997..	—	2 922	—	4 373	8 430	—	(D)	—
..... farms, 1992..	(D)	1 395	—	7 105	4 535	—	(D)	(D)
Diseases in crops and orchards..... farms, 1997..	1	20	1	1	41	6	—	1
..... farms, 1992..	5	8	7	1	13	1	—	7
acres on which used, 1997..	(D)	7 124	(D)	(D)	7 929	6	—	(D)
..... farms, 1992..	365	2 012	350	(D)	5 143	(D)	—	14
Weeds, grass, or brush in crops and pasture farms, 1997..	238	257	32	358	487	54	168	14
..... farms, 1992..	276	266	38	380	512	12	168	57
acres on which used, 1997..	57 746	145 875	631	116 964	295 069	4 346	29 894	1 674
..... farms, 1992..	59 659	129 123	471	94 418	296 049	499	40 586	1 965
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	3	36	—	9	89	—	7	—
..... farms, 1992..	4	56	8	10	79	—	6	—
acres on which used, 1997..	278	14 240	—	376	35 094	—	420	—
..... farms, 1992..	296	11 527	40	(D)	21 636	—	108	—

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	Texas	Vernon	Warren	Washington	Wayne	Webster	Worth	Wright
Commercial fertilizer farms, 1997..	1 021	747	341	262	267	1 104	180	893
..... farms, 1992..	1 046	791	344	257	211	1 051	183	880
acres on which used, 1997..	119 463	141 726	38 723	20 588	15 623	99 641	27 691	94 941
..... acres on which used, 1992..	141 226	143 571	57 074	11 964	13 848	92 508	26 811	93 811
Cropland fertilized, except pastureland farms, 1997..	613	532	280	151	109	778	149	629
..... farms, 1992..	586	628	293	116	147	745	170	684
acres on which used, 1997..	46 763	101 848	32 643	5 575	7 565	45 211	17 238	42 580
..... acres on which used, 1992..	43 215	106 139	51 457	3 799	9 954	43 883	16 880	44 978
Pastureland and rangeland fertilized..... farms, 1997..	729	352	149	167	178	664	79	564
..... farms, 1992..	765	351	131	168	99	636	39	538
acres on which used, 1997..	72 700	39 878	6 080	15 013	8 058	54 430	10 453	52 361
..... acres on which used, 1992..	98 011	37 432	5 617	8 165	3 894	48 625	9 931	48 833
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	39	46	66	2	—	131	8	67
..... farms, 1992..	229	348	151	30	33	453	66	242
acres on which used, 1997..	3 557	8 403	7 480	(D)	—	5 887	933	3 638
..... acres on which used, 1992..	5 080	37 100	16 982	334	477	9 805	5 671	9 546
Nematodes in crops farms, 1997..	—	8	6	—	1	—	—	—
..... farms, 1992..	—	1	11	—	—	—	—	—
acres on which used, 1997..	—	4 475	312	—	(D)	—	—	—
..... acres on which used, 1992..	—	(D)	821	—	—	—	—	—
Diseases in crops and orchards..... farms, 1997..	8	11	15	—	9	7	—	18
..... farms, 1992..	9	13	5	—	6	2	—	9
acres on which used, 1997..	81	6 067	2 153	—	1 234	35	—	375
..... acres on which used, 1992..	126	3 380	6	—	18	(D)	—	42
Weeds, grass, or brush in crops and pasture farms, 1997..	129	320	200	10	31	148	156	87
..... farms, 1992..	102	315	198	23	63	77	156	58
acres on which used, 1997..	7 666	89 357	32 105	1 079	2 887	4 150	28 076	3 061
..... acres on which used, 1992..	4 875	88 775	45 538	193	9 446	2 780	21 726	1 155
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1	6	16	—	—	—	1	—
..... farms, 1992..	1	19	6	—	—	3	—	7
acres on which used, 1997..	(D)	3 900	200	—	—	—	(D)	—
..... acres on which used, 1992..	(D)	2 360	410	—	—	50	—	70