

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978

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

Chemicals used	Missouri							
	Missouri	Adair	Andrew	Atchison	Audrain	Barry	Barton	
Commercial fertilizer ----- farms, 1982--	63 251	479	497	500	811	929	713	
	1978--	71 761	491	605	615	1 071	775	
	acres on which used, 1982--	8 327 224	51 268	60 970	127 164	163 735	62 063	158 601
	1978--	8 815 073	51 880	67 333	139 514	167 984	88 647	169 228
Cropland fertilized, except pastureland ----- farms, 1982--	54 511	433	488	499	787	638	685	
	1978--	68 313	468	605	602	947	949	745
	acres on which used, 1982--	6 874 821	43 822	51 609	113 893	154 555	34 364	144 015
	1978--	6 956 345	44 696	59 682	121 537	154 525	44 878	142 457
Pastureland and rangeland fertilized ----- farms, 1982--	21 129	80	107	113	162	475	183	
	1978--	25 837	115	124	178	243	608	341
	acres on which used, 1982--	1 452 403	7 446	9 361	13 271	9 180	27 699	14 586
	1978--	1 858 728	7 184	7 651	17 977	13 459	43 769	26 771
Lime ----- farms, 1982--	13 475	90	79	47	179	192	186	
	1978--	23 540	191	127	71	406	328	306
	acres on which used, 1982--	616 020	3 025	5 394	6 427	8 868	6 175	11 452
	1978--	1 143 980	9 435	8 080	6 486	31 745	11 995	21 572
tons, 1982--	1 515 547	9 173	13 735	15 378	22 803	13 205	33 014	
1978--	2 975 588	27 831	20 549	17 053	86 019	32 707	64 194	
Sprays, dusts, granules, fumigants, etc., to control-- Insects on hay and other crops ----- farms, 1982--	15 666	151	206	331	276	170	94	
	1978--	24 011	164	440	366	401	189	190
	acres on which used, 1982--	1 695 285	13 253	18 334	67 263	34 316	4 966	13 505
	1978--	2 242 284	11 079	36 695	66 853	55 486	3 419	22 045
Nematodes in crops ----- farms, 1982--	897	14	3	13	7	-	-	
	1978--	2 035	12	5	27	48	1	-
	acres on which used, 1982--	141 514	14	(D)	2 507	730	-	-
	1978--	188 552	978	269	3 282	3 212	(D)	-
Diseases in crops and orchards ----- farms, 1982--	1 279	14	3	16	13	20	18	
	1978--	2 045	4	27	2	25	83	20
	acres on which used, 1982--	149 135	857	156	1 200	1 858	610	(D)
	1978--	136 916	1 160	2 935	(D)	1 989	3 264	349
Weeds, grass, or brush in crops and pasture ----- farms, 1982--	37 069	360	624	496	665	183	482	
	1978--	46 278	455	598	433	723	316	546
	acres on which used, 1982--	7 267 819	56 521	92 317	163 881	187 403	9 804	109 744
	1978--	6 854 149	51 921	71 582	128 159	164 744	8 595	96 596
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982--	1 887	16	11	8	17	34	8	
	1978--	2 061	17	24	13	11	41	
	acres on which used, 1982--	199 032	2 393	921	2 952	1 878	514	274
	1978--	178 900	3 781	815	1 108	363	1 467	-

Chemicals used	Missouri							
	Bates	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	
Commercial fertilizer ----- farms, 1982--	820	419	586	667	578	692	527	
	1978--	1 027	572	643	652	572	739	
	acres on which used, 1982--	141 696	45 897	50 484	62 653	61 305	137 391	62 034
	1978--	190 570	59 512	61 020	55 149	63 588	155 607	45 505
Cropland fertilized, except pastureland ----- farms, 1982--	789	353	525	563	548	636	494	
	1978--	999	541	611	630	554	719	531
	acres on which used, 1982--	118 050	34 934	42 450	56 149	56 659	133 126	53 373
	1978--	147 546	41 841	46 681	45 898	53 642	151 948	39 512
Pastureland and rangeland fertilized ----- farms, 1982--	215	208	199	187	145	115	102	
	1978--	377	276	275	154	148	110	78
	acres on which used, 1982--	23 646	10 963	8 034	6 504	4 646	4 265	8 661
	1978--	43 024	17 671	14 339	9 251	9 946	3 659	5 993
Lime ----- farms, 1982--	193	87	130	144	71	120	127	
	1978--	261	143	277	298	101	193	118
	acres on which used, 1982--	9 474	2 612	3 194	5 800	3 144	5 053	6 777
	1978--	16 379	5 887	7 951	15 363	2 537	12 130	5 929
tons, 1982--	24 836	6 973	9 271	16 029	9 429	11 700	13 374	
1978--	41 089	15 912	21 325	43 358	6 391	25 563	14 898	
Sprays, dusts, granules, fumigants, etc., to control-- Insects on hay and other crops ----- farms, 1982--	200	98	107	129	268	130	97	
	1978--	303	119	83	203	372	181	198
	acres on which used, 1982--	26 022	5 842	12 873	9 943	20 088	15 899	10 062
	1978--	29 600	7 341	5 081	12 061	35 400	34 062	15 973
Nematodes in crops ----- farms, 1982--	14	-	7	15	9	24	42	
	1978--	46	1	-	11	12	17	29
	acres on which used, 1982--	2 000	-	1 860	910	970	754	6 463
	1978--	1 687	(D)	-	2 000	284	2 570	1 876
Diseases in crops and orchards ----- farms, 1982--	19	-	6	17	4	13	7	
	1978--	12	6	11	31	24	17	16
	acres on which used, 1982--	1 886	-	1 800	83	1 087	4 386	665
	1978--	1 844	80	184	1 317	638	1 180	508
Weeds, grass, or brush in crops and pasture ----- farms, 1982--	485	160	252	327	475	382	393	
	1978--	691	326	414	546	441	553	558
	acres on which used, 1982--	80 677	16 626	32 044	61 688	74 770	140 485	66 793
	1978--	124 811	37 859	34 621	67 346	52 381	143 382	61 319
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982--	18	2	8	7	24	16	40	
	1978--	7	24	45	14	31	6	1
	acres on which used, 1982--	1 246	(D)	3 348	31	1 478	3 686	2 904
	1978--	312	324	3 894	356	1 053	240	(D)

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	1982		1978		1982		1978	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Callaway								
Camden								
Cape Girardeau								
Carroll								
Carter								
Cass								
Cedar								
Chariton								
Christian								
Clark								
Clay								
Clinton								
Cole								
Cooper								
Commercial fertilizer ----- farms, 1982..	683	206	963	741	53	858	531	
1978..	758	278	1 014	704	101	897	521	
acres on which used, 1982..	90 024	16 008	98 427	128 639	3 008	81 545	37 217	
1978..	81 996	23 297	85 831	119 297	6 346	133 626	55 457	
Cropland fertilized, except pastureland ----- farms, 1982..	591	136	833	706	42	693	391	
1978..	700	258	999	693	88	958	485	
acres on which used, 1982..	76 002	8 392	88 463	115 191	1 943	74 789	22 349	
1978..	69 589	12 519	72 778	105 739	2 114	106 539	29 804	
Pastureland and rangeland fertilized ----- farms, 1982..	221	98	322	149	13	340	230	
1978..	261	117	341	195	57	340	249	
acres on which used, 1982..	14 022	7 616	9 964	13 448	1 085	16 758	14 888	
1978..	12 407	10 778	12 853	13 558	4 232	27 087	25 653	
Lime ----- farms, 1982..	139	35	260	152	28	147	53	
1978..	249	116	429	226	33	313	115	
acres on which used, 1982..	6 964	770	6 646	8 057	1 641	8 203	3 170	
1978..	12 092	3 431	10 915	13 389	821	18 062	5 596	
tons, 1982..	17 812	1 822	20 348	23 235	5 007	21 595	7 074	
1978..	35 684	8 352	30 489	35 816	1 846	51 749	13 080	
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	158	6	201	197	6	170	52	
1978..	234	68	315	399	17	232	100	
acres on which used, 1982..	10 241	400	17 468	40 881	114	23 193	1 947	
1978..	24 021	2 705	18 515	62 089	368	32 805	4 074	
Nematodes in crops ----- farms, 1982..	1	-	12	1	-	7	6	
1978..	27	-	16	8	-	48	588	
acres on which used, 1982..	(D)	-	72	(D)	-	2 246	-	
1978..	2 203	-	1 420	1 880	-	6 593	-	
Diseases in crops and orchards ----- farms, 1982..	8	-	18	9	-	31	8	
1978..	12	1	38	14	-	27	23	
acres on which used, 1982..	123	-	715	481	-	1 268	283	
1978..	860	(D)	1 602	1 825	-	3 885	123	
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	456	33	595	648	5	574	118	
1978..	472	87	739	676	56	674	243	
acres on which used, 1982..	77 041	730	71 551	153 962	475	81 694	11 341	
1978..	64 184	4 782	53 658	157 539	3 118	94 471	16 568	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	24	-	12	10	-	24	8	
1978..	37	-	30	21	9	3	-	
acres on which used, 1982..	192	-	943	236	-	1 085	288	
1978..	3 458	-	1 016	1 063	32	52	-	
Commercial fertilizer ----- farms, 1982..	771	680	511	345	494	547	838	
1978..	924	816	608	306	427	577	733	
acres on which used, 1982..	122 759	42 593	82 256	32 948	67 230	39 821	110 584	
1978..	128 040	65 461	87 237	39 089	58 986	39 808	102 884	
Cropland fertilized, except pastureland ----- farms, 1982..	754	467	478	241	455	462	588	
1978..	919	751	603	270	405	530	705	
acres on which used, 1982..	110 105	24 443	75 528	20 776	57 457	25 528	96 583	
1978..	113 818	39 361	77 689	26 157	48 634	25 086	86 692	
Pastureland and rangeland fertilized ----- farms, 1982..	150	316	106	164	116	243	221	
1978..	186	415	140	135	117	252	227	
acres on which used, 1982..	12 654	18 150	6 728	12 170	9 773	8 293	13 801	
1978..	14 222	26 100	9 538	12 932	10 352	8 722	16 192	
Lime ----- farms, 1982..	178	167	73	24	88	75	109	
1978..	367	245	229	53	58	176	201	
acres on which used, 1982..	7 535	5 193	2 350	1 087	6 325	1 308	5 050	
1978..	19 036	10 401	9 659	2 580	2 922	4 236	10 280	
tons, 1982..	19 879	13 049	6 742	2 991	15 279	2 153	12 880	
1978..	45 340	23 680	30 721	9 125	8 643	13 017	27 846	
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	247	152	209	85	120	101	168	
1978..	407	242	255	176	118	188	351	
acres on which used, 1982..	27 423	8 449	28 645	6 044	11 374	3 642	23 143	
1978..	43 534	6 715	38 387	13 642	12 374	6 007	30 022	
Nematodes in crops ----- farms, 1982..	17	1	11	-	10	1	18	
1978..	37	-	17	26	27	7	26	
acres on which used, 1982..	716	(D)	1 600	(D)	(D)	(D)	(D)	
1978..	6 289	-	2 865	1 029	982	571	2 453	
Diseases in crops and orchards ----- farms, 1982..	13	16	-	7	16	14	18	
1978..	19	59	2	8	-	27	34	
acres on which used, 1982..	4 143	816	-	54	989	20	78	
1978..	741	428	(D)	826	-	1 159	1 128	
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	727	163	453	288	446	238	438	
1978..	787	289	518	356	381	273	503	
acres on which used, 1982..	165 157	8 647	103 934	28 081	66 294	17 772	80 889	
1978..	164 840	4 337	103 319	43 023	63 348	9 968	75 769	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	41	13	18	-	8	9	10	
1978..	32	-	8	10	11	9	10	
acres on which used, 1982..	6 252	447	829	-	45	17	5 378	
1978..	2 066	-	1 677	190	527	14	-	

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	County							
	Crawford	Dade	Dallas	Daviess	De Kalb	Dent	Douglas	
Commercial fertilizer ----- farms, 1982..	340	525	611	613	527	353	626	
	1978..	384	616	614	686	462	779	
	acres on which used, 1982..	21 735	68 515	49 284	77 235	71 266	29 522	37 474
	1978..	23 862	98 992	40 413	84 004	62 686	27 658	63 725
Cropland fertilized, except pastureland ----- farms, 1982..	178	371	487	592	496	256	457	
	1978..	360	576	574	673	617	393	680
	acres on which used, 1982..	5 859	51 078	26 644	72 640	58 558	11 617	18 983
	1978..	13 540	59 305	23 091	71 545	47 559	12 781	27 544
Pastureland and rangeland fertilized ----- farms, 1982..	201	246	258	87	163	164	322	
	1978..	163	379	318	194	176	241	449
	acres on which used, 1982..	16 076	17 436	22 640	4 595	14 708	17 905	18 491
	1978..	10 322	39 687	17 322	12 459	15 107	14 877	36 181
Lime ----- farms, 1982..	93	90	198	95	97	62	167	
	1978..	141	258	232	173	141	186	
	acres on which used, 1982..	2 870	4 741	6 039	3 321	5 404	2 767	5 351
	1978..	5 206	19 182	7 457	9 243	5 850	6 730	15 112
	tons, 1982..	6 834	12 225	11 722	8 845	12 038	9 665	13 437
	1978..	11 811	44 970	17 689	23 767	15 746	18 030	27 271
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1982..	45	59	53	161	159	69	71	
	1978..	39	150	236	405	247	37	
	acres on which used, 1982..	636	6 191	2 981	23 153	18 073	1 515	2 085
	1978..	524	6 646	4 933	40 536	25 582	1 285	2 908
Nematodes in crops ----- farms, 1982..	-	1	-	8	2	-	-	
	1978..	-	-	35	39	4	-	
	acres on which used, 1982..	-	(D)	-	730	(D)	-	
	1978..	-	-	-	2 157	3 032	8	-
Diseases in crops and orchards ----- farms, 1982..	2	12	2	27	9	-	7	
	1978..	32	20	12	10	42	5	
	acres on which used, 1982..	(D)	778	(D)	8 691	496	-	
	1978..	322	2 370	240	1 000	1 674	159	26
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	79	200	93	612	381	67	101	
	1978..	184	320	125	613	495	211	258
	acres on which used, 1982..	4 133	37 030	3 049	107 782	66 929	2 642	6 352
	1978..	4 875	30 607	2 377	102 555	59 560	3 891	6 879
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	-	-	3	13	13	-	7	
	1978..	-	3	4	-	8	15	
	acres on which used, 1982..	-	-	(D)	3 580	1 182	-	
	1978..	-	102	-	440	-	17	63
							56	

Chemicals used	County							
	Dunklin	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
Commercial fertilizer ----- farms, 1982..	703	989	571	471	969	439	655	582
	1978..	855	1 095	612	564	1 057	710	716
	acres on which used, 1982..	201 201	76 709	34 989	78 460	66 532	72 017	110 239
	1978..	191 140	90 825	48 146	67 943	86 450	67 211	82 869
Cropland fertilized, except pastureland ----- farms, 1982..	691	851	491	438	735	403	591	522
	1978..	849	1 068	583	549	992	425	699
	acres on which used, 1982..	200 111	66 389	23 698	59 930	41 777	64 020	83 933
	1978..	190 723	71 910	36 324	51 860	48 977	55 218	66 274
Pastureland and rangeland fertilized ----- farms, 1982..	22	307	238	165	450	93	243	238
	1978..	26	382	228	212	529	150	201
	acres on which used, 1982..	1 090	10 320	11 291	18 530	24 755	7 997	26 306
	1978..	417	18 915	11 822	16 083	37 473	11 993	16 595
Lime ----- farms, 1982..	202	154	154	63	236	93	125	108
	1978..	325	292	162	123	354	146	175
	acres on which used, 1982..	18 023	2 907	4 823	3 393	6 971	4 064	5 515
	1978..	24 967	6 676	3 506	6 440	19 142	7 516	9 948
	tons, 1982..	35 202	7 042	12 535	7 628	17 016	10 395	15 499
	1978..	51 164	14 445	11 390	16 105	45 199	19 824	27 784
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1982..	247	187	65	214	286	139	292	75
	1978..	318	299	170	292	364	304	296
	acres on which used, 1982..	52 496	10 377	3 710	18 351	14 743	11 544	35 198
	1978..	66 356	16 199	8 896	30 792	9 825	32 315	25 358
Nematodes in crops ----- farms, 1982..	60	34	-	11	-	-	4	9
	1978..	69	52	-	1	14	11	27
	acres on which used, 1982..	16 299	3 737	-	2 060	-	-	855
	1978..	9 941	2 517	-	(D)	965	940	2 826
Diseases in crops and orchards ----- farms, 1982..	64	22	1	27	32	2	5	10
	1978..	68	35	12	33	57	4	2
	acres on which used, 1982..	10 125	1 046	(D)	646	277	(D)	732
	1978..	8 114	962	253	3 434	1 449	(D)	60
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	606	502	226	329	340	474	480	405
	1978..	635	579	396	460	326	410	599
	acres on which used, 1982..	214 870	57 120	11 349	72 577	14 042	123 443	89 333
	1978..	189 209	47 951	24 862	69 993	11 175	69 227	79 218
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	228	18	11	7	4	28	30	21
	1978..	285	22	-	6	40	21	22
	acres on which used, 1982..	38 654	1 095	380	670	69	2 879	562
	1978..	38 581	1 374	-	168	873	-	2 060
								1 694

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper	Jefferson
Commercial fertilizer ----- farms, 1982..	232	464	431	1 047	106	432	723	313
1978..	312	519	464	1 005	183	414	802	288
acres on which used, 1982..	21 428	91 553	62 925	72 080	3 684	46 742	112 127	22 225
1978..	30 195	95 795	65 366	87 713	7 462	52 050	110 386	17 731
Cropland fertilized, except pastureland ----- farms, 1982..	174	463	413	669	61	377	597	282
1978..	296	519	457	862	183	392	711	275
acres on which used, 1982..	13 023	84 031	58 009	26 834	1 552	43 183	90 832	18 385
1978..	20 350	85 937	56 820	32 536	4 382	42 308	86 650	14 519
Pastureland and rangeland fertilized ----- farms, 1982..	126	54	80	641	65	104	334	79
1978..	111	120	84	620	60	105	382	118
acres on which used, 1982..	8 405	7 522	4 916	45 246	2 132	3 559	21 295	3 840
1978..	9 845	9 858	8 566	55 177	3 080	9 742	23 736	3 212
Lime ----- farms, 1982..	39	42	43	426	21	58	217	55
1978..	80	62	112	390	78	106	287	83
acres on which used, 1982..	1 604	3 104	1 465	11 420	465	2 871	20 634	974
1978..	2 303	5 344	5 923	12 441	2 815	2 685	16 784	2 202
tons, 1982..	4 411	9 757	3 190	29 321	665	5 644	46 683	2 681
1978..	6 287	15 268	14 195	32 027	8 249	7 005	39 064	5 381
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	32	237	152	152	-	145	102	80
1978..	64	319	239	332	38	234	145	78
acres on which used, 1982..	1 109	38 484	16 969	4 725	-	18 563	6 375	2 902
1978..	5 443	48 317	22 722	6 779	1 268	16 125	12 373	3 692
Nematodes in crops ----- farms, 1982..	-	7	13	-	-	14	6	1
1978..	-	7	13	-	-	14	11	6
acres on which used, 1982..	-	801	2 692	-	-	5 855	120	19
1978..	-	590	1 477	-	-	2 003	1 070	1 702
Diseases in crops and orchards ----- farms, 1982..	-	6	12	8	-	64	22	1
1978..	-	21	19	18	1	39	7	1
acres on which used, 1982..	-	(D)	1 997	8	-	3 293	936	54
1978..	-	2 000	2 995	346	(D)	1 440	27	24
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	27	483	294	228	15	297	254	12
1978..	96	454	346	270	49	358	540	11
acres on which used, 1982..	1 711	142 766	50 445	17 239	199	41 855	60 445	13 781
1978..	4 810	114 207	56 327	6 204	2 136	48 069	50 831	10 881
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	-	18	37	-	7	10	11	-
1978..	3	36	7	-	41	20	27	-
acres on which used, 1982..	-	2 388	3 855	-	21	683	731	-
1978..	10	3 509	850	1 022	-	3 601	1 702	-
Chemicals used	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis	Lincoln	Linn
Commercial fertilizer ----- farms, 1982..	897	455	623	997	1 018	596	768	65
1978..	1 129	573	651	1 117	1 187	664	817	67
acres on which used, 1982..	115 417	82 739	46 927	134 672	102 924	99 068	109 576	98 871
1978..	129 655	89 422	61 811	141 643	133 127	108 231	103 366	85 181
Cropland fertilized, except pastureland ----- farms, 1982..	808	447	476	908	718	577	749	59
1978..	1 083	573	562	1 091	1 086	664	796	63
acres on which used, 1982..	91 249	74 543	25 860	118 657	59 616	90 624	101 399	81 239
1978..	96 479	75 567	30 844	127 179	74 999	95 722	94 758	66 141
Pastureland and rangeland fertilized ----- farms, 1982..	345	103	286	316	626	100	148	2
1978..	449	157	365	329	715	157	190	2
acres on which used, 1982..	24 168	8 196	21 067	16 015	43 308	8 444	8 177	17 500
1978..	33 176	13 855	30 967	14 464	58 128	12 509	8 608	19 000
Lime ----- farms, 1982..	154	142	113	202	276	179	136	7
1978..	295	305	190	360	433	223	290	2
acres on which used, 1982..	6 952	10 098	4 276	8 015	8 633	7 478	5 413	5
1978..	13 911	18 691	6 688	14 112	19 196	11 348	13 293	13
tons, 1982..	17 304	32 042	8 998	19 731	19 924	21 338	16 790	13 781
1978..	35 716	58 144	16 738	33 032	41 085	29 408	43 788	33 000
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	178	171	99	426	184	236	235	2
1978..	328	258	158	613	282	310	372	2
acres on which used, 1982..	20 021	20 164	5 373	42 918	12 719	33 330	30 256	11 111
1978..	22 665	27 113	4 599	69 009	9 598	31 655	33 648	16 200
Nematodes in crops ----- farms, 1982..	-	11	-	14	1	9	3	-
1978..	58	19	-	35	10	31	62	-
acres on which used, 1982..	-	276	-	3 662	(D)	2 365	(D)	-
1978..	4 530	1 393	-	3 525	665	1 555	4 268	-
Diseases in crops and orchards ----- farms, 1982..	17	2	-	47	18	14	22	-
1978..	22	1	7	33	25	6	6	-
acres on which used, 1982..	1 220	(D)	-	7 187	1 552	3 869	1 015	-
1978..	1 119	(D)	189	2 589	887	150	908	-
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	629	392	115	812	260	476	520	95
1978..	811	462	234	834	579	496	675	100
acres on which used, 1982..	89 194	94 367	5 596	138 777	28 405	97 013	90 778	95 800
1978..	87 374	85 600	11 607	134 982	29 309	94 496	95 941	100 800
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	26	3	-	34	10	24	20	-
1978..	1	14	6	13	11	8	9	-
acres on which used, 1982..	1 590	(D)	-	2 785	351	1 473	3 970	-
1978..	(D)	485	480	1 180	218	280	661	-

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	Livingston	McDonald	Macon	Madison	Maries	Marion	Mercer	Miller
Commercial fertilizer ----- farms, 1982..	532	374	649	169	512	557	387	413
1978..	539	431	792	264	513	626	442	583
acres on which used, 1982..	62 672	27 987	88 234	9 127	38 579	85 001	70 545	24 122
1978..	52 927	32 456	101 358	18 265	50 903	81 383	65 887	41 220
Cropland fertilized, except pastureland ----- farms, 1982..	513	244	598	121	412	515	370	321
1978..	539	375	792	249	470	598	428	534
acres on which used, 1982..	58 085	11 059	79 732	5 315	20 951	76 481	57 398	14 558
1978..	45 133	16 918	81 577	9 394	27 116	74 910	45 804	24 952
Pastureland and rangeland fertilized ----- farms, 1982..	73	182	124	103	238	137	93	187
1978..	156	204	211	131	293	165	198	253
acres on which used, 1982..	4 577	18 928	8 502	3 812	17 628	8 520	13 147	9 564
1978..	7 794	15 538	19 781	8 891	23 787	6 473	20 083	16 268
Lime ----- farms, 1982..	113	90	163	52	72	182	64	36
1978..	216	151	242	81	157	279	180	153
acres on which used, 1982..	5 085	3 366	8 559	639	1 758	7 604	4 849	1 264
1978..	11 355	7 270	11 208	1 853	3 852	14 695	10 970	5 483
tons, 1982..	11 036	6 400	23 151	1 847	5 207	22 819	14 113	2 224
1978..	28 219	17 785	35 027	4 603	11 457	44 605	31 921	14 418
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	90	33	147	3	54	142	148	75
1978..	243	71	326	26	50	251	178	45
acres on which used, 1982..	12 681	1 437	20 506	403	1 441	12 579	14 005	2 685
1978..	25 348	1 392	34 868	687	668	21 720	16 447	2 444
Nematodes in crops ----- farms, 1982..	1	—	2	—	5	26	1	5
1978..	18	—	28	—	—	25	11	—
acres on which used, 1982..	(D)	—	(D)	—	250	1 315	(D)	90
1978..	592	—	1 561	—	—	1 501	535	—
Diseases in crops and orchards ----- farms, 1982..	6	—	6	—	15	1	6	5
1978..	1	59	1	5	—	14	17	1
acres on which used, 1982..	352	—	555	—	500	(D)	408	208
1978..	(D)	1 406	(D)	40	—	2 128	464	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	497	81	535	38	79	450	255	105
1978..	599	120	627	85	237	529	390	274
acres on which used, 1982..	109 279	1 961	98 020	2 648	5 714	80 565	46 918	4 816
1978..	106 468	3 165	94 927	7 833	12 896	90 219	43 347	9 168
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	30	18	4	—	—	3	29	—
1978..	1	6	10	—	—	11	2	—
acres on which used, 1982..	1 375	250	1 455	—	—	3 120	2 860	—
1978..	(D)	180	1 769	—	—	396	(D)	—

Chemicals used	Mississippi	Moniteau	Monroe	Montgomery	Morgan	New Madrid	Newton	Nodaway
Commercial fertilizer ----- farms, 1982..	299	632	612	575	474	556	822	974
1978..	328	670	796	741	540	656	910	1 045
acres on which used, 1982..	125 828	52 149	101 762	84 957	39 725	214 106	55 544	168 651
1978..	116 873	70 766	125 447	85 519	45 097	187 798	76 344	153 189
Cropland fertilized, except pastureland ----- farms, 1982..	299	569	569	564	416	551	549	891
1978..	318	629	781	729	504	647	814	1 033
acres on which used, 1982..	124 255	43 456	87 388	77 823	26 784	212 774	33 729	135 263
1978..	113 553	50 846	106 477	75 579	34 183	185 662	44 677	125 073
Pastureland and rangeland fertilized ----- farms, 1982..	8	149	183	113	168	18	421	389
1978..	38	341	223	166	206	32	502	294
acres on which used, 1982..	1 573	8 693	14 374	7 134	12 941	1 332	21 815	33 388
1978..	3 320	19 920	18 970	9 940	10 914	2 136	31 667	28 116
Lime ----- farms, 1982..	88	53	156	122	115	160	309	137
1978..	125	200	339	297	226	299	429	290
acres on which used, 1982..	12 897	1 070	7 114	5 140	4 558	20 071	12 699	11 273
1978..	19 568	5 303	23 538	13 355	7 357	29 995	17 499	20 139
tons, 1982..	28 031	3 061	18 053	14 974	6 935	37 873	26 457	24 058
1978..	38 431	12 830	72 963	43 582	17 721	66 600	46 963	47 251
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	74	104	189	117	72	142	60	604
1978..	126	208	346	285	132	151	184	613
acres on which used, 1982..	26 616	3 556	14 215	12 303	5 100	44 777	3 861	73 276
1978..	48 772	13 310	32 820	24 742	5 532	52 899	6 559	62 504
Nematodes in crops ----- farms, 1982..	19	—	1	6	16	36	1	47
1978..	44	17	16	25	4	94	14	86
acres on which used, 1982..	5 148	—	(D)	2 008	1 160	13 436	(D)	2 588
1978..	8 371	276	2 151	2 490	96	21 389	782	5 522
Diseases in crops and orchards ----- farms, 1982..	8	—	23	1	17	16	5	11
1978..	30	3	—	9	15	42	82	14
acres on which used, 1982..	3 064	—	615	(D)	2 810	6 362	394	1 728
1978..	3 837	426	—	1 466	570	14 729	1 730	1 352
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	287	333	509	479	160	498	169	864
1978..	368	366	558	551	275	562	491	955
acres on which used, 1982..	189 033	34 539	100 688	83 013	14 162	266 587	10 129	189 570
1978..	186 126	29 951	117 118	79 585	16 727	271 686	19 738	173 790
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	29	2	16	9	1	155	16	27
1978..	13	—	17	3	7	144	10	17
acres on which used, 1982..	6 255	(D)	160	302	(D)	25 611	555	3 883
1978..	2 657	—	762	340	337	21 201	30	2 681

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—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
	farms,	acres on which used,								
Commercial fertilizer	1982	457	688	406	445	615	810	378	712	
	1978	466	797	514	493	754	919	411	818	
	1982	39 460	52 713	37 824	114 632	77 914	128 584	18 269	114 276	
Cropland fertilized, except pastureland	1978	48 114	66 724	42 339	85 161	79 426	130 267	28 869	122 717	
	farms, 1982	270	583	252	445	564	711	241	689	
	1978	364	746	401	493	736	895	381	819	
Pastureland and rangeland fertilized	1982	12 792	32 275	9 983	114 632	62 529	113 409	10 579	104 191	
	1978	16 044	40 739	12 423	(D)	63 588	115 772	13 927	108 656	
	farms, 1982	255	345	258	-	265	247	219	162	
Lime	1978	295	398	288	2	294	222	219	156	
	1982	26 668	20 438	27 841	-	15 385	15 175	7 690	10 085	
	1978	32 070	25 985	29 916	(D)	15 838	14 495	14 942	14 061	
Sprays, dusts, granules, fumigants, etc., to control—	farms, 1982	112	110	104	66	225	135	92	218	
	1978	176	212	137	43	414	329	187	342	
	acres on which used, 1982	5 326	2 458	2 093	6 906	4 821	8 400	2 971	9 436	
Nematodes in crops	1978	4 582	4 661	5 086	4 552	12 382	17 080	5 934	20 915	
	1982	11 760	5 986	5 731	14 005	21 974	12 825	6 622	24 898	
	1978	11 710	13 272	13 754	10 325	37 349	38 016	15 433	48 005	
Insects on hay and other crops	farms, 1982	56	123	103	157	190	169	46	279	
	1978	81	239	95	185	311	325	97	323	
	acres on which used, 1982	2 267	5 119	2 868	35 963	11 726	17 282	1 230	30 122	
Diseases in crops and orchards	1978	2 442	8 264	1 396	38 473	18 419	30 131	1 805	38 995	
	farms, 1982	-	1	-	8	4	2	1	21	
	1978	-	25	-	15	44	21	2	46	
Weeds, grass, or brush in crops and pasture	1982	-	(D)	-	2 605	1 553	(D)	(D)	3 478	
	1978	-	407	-	2 716	1 788	1 130	(D)	6 474	
	farms, 1982	7	9	2	12	15	2	17	14	
Chemicals used for defoliation or for growth control of crops or thinning of fruit	1978	23	20	-	12	41	14	25	17	
	1982	7	1 000	(D)	4 039	4 150	(D)	324	963	
	1978	247	1 165	-	962	1 091	5 092	554	3 030	
Nematodes in crops	farms, 1982	127	194	40	409	407	526	141	547	
	1978	140	372	100	474	473	656	215	576	
	acres on which used, 1982	7 527	15 189	1 442	213 806	50 820	102 545	4 706	98 257	
Chemicals used for defoliation or for growth control of crops or thinning of fruit	1978	4 001	25 301	3 423	197 751	36 332	93 737	10 698	87 267	
	farms, 1982	18	-	-	94	8	22	-	4	
	1978	-	-	-	171	12	12	1	15	
Chemicals used for defoliation or for growth control of crops or thinning of fruit	1982	1 372	-	-	13 628	510	3 195	-	1 917	
	1978	-	-	-	13 400	360	1 169	(D)	4 762	

Chemicals used			Platte	Polk	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds
	farms,	acres on which used,								
Commercial fertilizer	1982	553	785	298	415	429	482	633	180	
	1978	666	959	285	420	550	511	613	228	
	1982	67 797	64 663	23 515	48 431	71 297	51 517	86 822	9 703	
Cropland fertilized, except pastureland	1978	57 938	79 072	20 033	56 190	74 985	67 975	69 409	13 408	
	farms, 1982	501	663	186	334	419	453	587	129	
	1978	661	883	272	411	550	502	596	215	
Pastureland and rangeland fertilized	1982	61 096	43 088	9 181	33 528	68 182	45 778	78 393	3 116	
	1978	52 288	45 993	10 572	32 887	68 586	61 305	57 109	9 568	
	farms, 1982	108	329	208	147	58	85	139	85	
Lime	1978	96	507	119	204	115	92	162	116	
	1982	6 701	21 575	14 334	14 903	3 115	5 739	8 429	6 507	
	1978	5 650	33 079	9 461	23 303	6 399	6 670	12 300	3 842	
Sprays, dusts, granules, fumigants, etc., to control—	farms, 1982	39	160	39	49	102	132	53	36	
	1978	111	287	92	148	214	146	139	63	
	acres on which used, 1982	2 536	4 986	995	1 828	7 198	4 366	3 810	391	
Nematodes in crops	1978	3 201	9 836	1 493	5 925	13 946	9 800	9 037	1 341	
	1982	5 859	11 952	2 138	6 043	17 889	12 323	7 275	907	
	1978	7 401	24 243	3 419	20 281	35 525	26 902	17 904	3 857	
Insects on hay and other crops	farms, 1982	238	175	12	77	104	127	155	13	
	1978	227	364	19	95	253	210	327	33	
	acres on which used, 1982	13 184	9 662	324	9 753	9 900	7 961	21 080	148	
Diseases in crops and orchards	1978	19 057	9 897	320	8 321	22 900	21 515	42 298	1 251	
	farms, 1982	4	8	-	8	19	17	-	1	
	1978	14	6	-	13	10	8	15	(D)	
Weeds, grass, or brush in crops and pasture	1982	2 220	800	-	1 391	961	340	-	-	
	1978	590	79	-	1 430	2 221	516	699	-	
	farms, 1982	27	6	-	14	8	3	11	-	
Chemicals used for defoliation or for growth control of crops or thinning of fruit	1978	-	37	-	9	14	24	34	-	
	1982	840	6	-	2 728	462	(D)	2 258	-	
	1978	-	1 331	-	472	2 399	3 460	6 126	-	
Nematodes in crops	farms, 1982	384	180	73	300	369	411	553	38	
	1978	474	137	147	314	442	469	539	81	
	acres on which used, 1982	69 208	8 415	2 470	36 780	99 855	54 973	116 918	816	
Chemicals used for defoliation or for growth control of crops or thinning of fruit	1978	59 175	4 409	3 888	36 087	94 183	78 287	92 460	3 246	
	farms, 1982	33	9	7	-	1	6	6	-	
	1978	66	13	13	7	20	19	31	-	
Chemicals used for defoliation or for growth control of crops or thinning of fruit	1982	516	217	70	-	(D)	6	1 829	-	
	1978	839	80	400	844	4 400	787	3 355	-	

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	County							
	Ripley	St. Charles	St. Clair	Ste. Genevieve	St. Francois	St. Louis	Saline	Schuyler
Commercial fertilizer ----- farms, 1982..	278	675	433	434	315	200	738	267
	1978..	381	728	567	445	284	970	315
	acres on which used, 1982..	34 650	89 553	72 488	45 606	20 703	141 567	30 721
	1978..	38 538	73 322	76 461	39 489	19 720	162 742	26 744
Cropland fertilized, except pastureland ----- farms, 1982..	201	648	368	342	240	180	718	261
	1978..	336	727	547	422	342	958	315
	acres on which used, 1982..	26 725	86 426	49 092	33 212	15 375	131 000	25 875
	1978..	26 510	70 255	58 439	29 112	12 141	(D) 149 274	19 722
Pastureland and rangeland fertilized ----- farms, 1982..	125	112	186	231	121	21	149	82
	1978..	193	97	207	185	30	223	124
	acres on which used, 1982..	7 925	3 127	23 396	12 394	5 328	351	4 846
	1978..	12 028	3 067	18 022	10 377	7 579	(D) 13 468	7 022
Lime ----- farms, 1982..	57	110	118	69	66	28	103	59
	1978..	117	210	168	169	102	268	156
	acres on which used, 1982..	2 018	4 893	7 524	1 257	1 530	564	5 150
	1978..	3 428	11 355	7 356	3 318	3 568	3 954	17 561
Sprays, dusts, granules, fumigants, etc., to control— insects on hay and other crops ----- farms, 1982..	44	253	85	145	66	88	329	74
	1978..	24	330	117	203	28	126	655
	acres on which used, 1982..	986	31 394	6 707	7 497	1 803	2 170	45 487
	1978..	1 808	34 143	8 363	8 119	356	5 065	87 286
Nematodes in crops ----- farms, 1982..	-	24	6	-	-	1	4	7
	1978..	24	35	-	-	5	72	27
	acres on which used, 1982..	-	3 102	30	-	(D)	873	1 241
	1978..	-	1 365	855	-	54	98	4 841
Diseases in crops and orchards ----- farms, 1982..	8	14	22	1	2	23	8	-
	1978..	28	52	1	7	-	38	18
	acres on which used, 1982..	40	342	380	(D)	(D)	240	1 124
	1978..	388	2 683	(D) 76	-	-	429	1 650
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	46	517	210	199	64	107	681	247
	1978..	136	509	316	239	150	779	252
	acres on which used, 1982..	18 663	91 091	23 404	22 840	2 257	14 772	162 884
	1978..	15 246	64 419	36 901	19 590	6 521	16 643	174 790
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	8	4	12	7	10	16	14	-
	1978..	4	33	-	1	17	20	5
	acres on which used, 1982..	1 550	(D)	285	378	455	91	1 535
	1978..	1 231	3 758	-	(D)	-	66	813

Chemicals used	County							
	Scotland	Scott	Shannon	Shelby	Stoddard	Stone	Sullivan	Taney
Commercial fertilizer ----- farms, 1982..	386	498	232	570	1 071	385	476	233
	1978..	526	496	287	592	1 135	429	290
	acres on which used, 1982..	63 654	123 946	16 657	92 597	290 526	24 065	72 394
	1978..	76 742	117 637	27 280	102 072	250 595	31 296	81 024
Cropland fertilized, except pastureland ----- farms, 1982..	379	486	126	537	1 034	259	427	146
	1978..	526	496	247	592	1 120	362	502
	acres on which used, 1982..	59 781	121 742	7 631	81 243	286 672	13 355	54 321
	1978..	66 482	114 077	12 657	89 451	241 899	14 539	56 644
Pastureland and rangeland fertilized ----- farms, 1982..	79	55	139	140	101	181	101	159
	1978..	117	90	176	194	218	247	187
	acres on which used, 1982..	3 873	2 204	9 026	11 354	3 854	10 710	18 073
	1978..	10 260	3 560	14 623	12 621	8 696	16 757	24 380
Lime ----- farms, 1982..	76	170	77	171	323	82	36	40
	1978..	150	203	96	269	546	104	161
	acres on which used, 1982..	6 089	9 895	2 316	8 696	26 896	2 671	2 347
	1978..	6 720	17 068	2 496	16 026	39 624	2 992	8 120
Sprays, dusts, granules, fumigants, etc., to control— insects on hay and other crops ----- farms, 1982..	178	140	-	216	201	74	119	25
	1978..	208	130	40	292	272	59	165
	acres on which used, 1982..	26 485	32 440	-	25 316	50 022	2 766	23 225
	1978..	22 262	20 831	530	36 558	57 913	1 050	18 172
Nematodes in crops ----- farms, 1982..	12	18	-	12	49	-	28	-
	1978..	11	70	-	4	116	10	-
	acres on which used, 1982..	1 760	5 964	-	600	9 213	-	3 896
	1978..	1 149	9 959	-	1 879	9 277	-	205
Diseases in crops and orchards ----- farms, 1982..	1	25	-	7	51	-	19	7
	1978..	12	6	5	8	31	31	3
	acres on which used, 1982..	(D)	8 554	-	2 276	13 308	-	2 389
	1978..	570	1 340	5	808	6 052	84	194
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	334	410	30	434	780	38	295	70
	1978..	434	413	114	539	914	252	347
	acres on which used, 1982..	71 346	149 846	1 024	113 767	278 143	5 356	71 251
	1978..	71 291	117 456	3 475	108 698	232 242	11 262	40 850
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	8	58	-	9	81	-	16	1
	1978..	6	55	-	11	150	-	-
	acres on which used, 1982..	1 050	5 850	-	(D)	8 339	-	580
	1978..	560	5 733	-	410	12 705	-	-

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—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, 1982--	908	768	386	187	253	834	170	780
1978--	1 089	999	470	307	257	927	217	888
acres on which used, 1982--	64 967	149 123	55 527	11 666	24 258	64 164	26 240	60 296
1978--	82 623	155 861	52 197	17 829	17 955	66 995	26 710	74 610
Cropland fertilized, except pastureland ----- farms, 1982--	629	696	358	157	211	672	161	588
1978--	982	944	459	305	231	867	217	750
acres on which used, 1982--	29 825	124 688	50 848	5 176	19 936	35 376	21 865	30 541
1978--	38 136	129 794	48 141	9 324	12 015	38 116	22 032	32 327
Pastureland and rangeland fertilized ----- farms, 1982--	491	237	108	70	72	404	43	421
1978--	571	342	124	122	102	517	39	528
acres on which used, 1982--	35 142	24 435	4 679	6 490	4 322	28 788	4 375	29 755
1978--	44 487	26 087	4 056	8 505	5 940	28 879	4 678	42 288
Lime ----- farms, 1982--	263	158	76	54	54	172	31	145
1978--	333	247	156	101	88	307	84	264
acres on which used, 1982--	7 527	7 734	1 203	1 315	1 156	6 224	816	3 382
1978--	10 896	13 479	5 172	2 009	1 926	9 716	3 961	7 680
tons, 1982--	18 089	19 626	4 162	4 471	3 201	17 154	1 726	7 812
1978--	29 304	38 491	18 016	5 634	4 941	24 031	10 776	20 350
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1982--	97	162	152	19	14	138	83	117
1978--	65	252	135	91	23	235	106	167
acres on which used, 1982--	3 284	28 392	19 664	102	123	5 464	5 353	5 190
1978--	715	29 178	15 203	2 028	1 506	5 994	11 384	4 227
Nematodes in crops ----- farms, 1982--	-	25	2	-	-	2	12	1
1978--	-	7	18	-	-	18	1	-
acres on which used, 1982--	-	4 906	(D)	-	-	(D)	455	(D)
1978--	-	1 645	1 375	-	-	333	(D)	(D)
Diseases in crops and orchards ----- farms, 1982--	-	11	2	6	-	10	13	11
1978--	4	21	5	11	-	37	-	8
acres on which used, 1982--	-	2 185	(D)	12	-	(D)	3 639	1513
1978--	56	924	5	166	-	439	-	133
Weeds, grass, or brush in crops and pasture ----- farms, 1982--	174	480	277	26	95	289	235	264
1978--	424	550	337	47	133	302	188	358
acres on which used, 1982--	7 918	110 261	51 797	2 741	17 458	17 648	40 500	14 262
1978--	8 896	85 875	41 215	2 468	8 699	8 851	27 003	15 442
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982--	8	35	22	14	6	12	1	10
1978--	11	15	2	12	11	-	2	1
acres on which used, 1982--	203	1 572	484	212	12	(D)	(D)	558
1978--	310	470	(D)	360	22	-	(D)	(D)