

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**

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

Chemicals used	1987 and 1982								
	Tennessee	Anderson	Bedford	Benton	Bledsoe	Blount	Bradley	Campbell	
Commercial fertilizer ----- farms, 1987...	57 948	341	705	229	361	852	346	423	
	1982...	63 955	339	726	222	848	365	401	
	acres on which used, 1987...	3 487 602	8 467	51 287	16 947	28 006	33 176	19 364	7 183
	1982...	3 794 244	8 422	50 047	14 298	22 157	34 463	17 776	8 743
Cropland fertilized, except pastureland ----- farms, 1987...	49 350	256	592	173	300	671	253	381	
	1982...	57 803	248	633	198	308	680	323	369
	acres on which used, 1987...	2 697 808	4 030	37 512	12 236	18 465	20 271	10 532	4 795
	1982...	3 169 803	3 973	40 981	11 924	18 740	23 168	10 650	4 704
Pastureland and rangeland fertilized ----- farms, 1987...	19 938	152	247	107	156	405	186	98	
	1982...	18 239	173	200	75	89	416	155	141
	acres on which used, 1987...	789 794	4 437	13 775	4 711	9 541	12 905	8 832	2 388
	1982...	624 441	4 449	9 066	2 374	3 417	11 295	7 126	4 039
Lime ----- farms, 1987...	13 089	57	108	37	135	243	99	76	
	1982...	13 835	60	108	64	84	209	58	73
	acres on which used, 1987...	446 081	1 817	2 821	1 452	8 500	6 071	3 552	1 397
	1982...	389 865	711	5 776	2 552	2 874	3 419	1 438	1 591
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1987...	17 562	73	186	21	82	227	82	140	
	1982...	19 869	73	169	25	62	247	64	108
	acres on which used, 1987...	711 874	350	7 683	2 498	4 444	3 030	1 865	853
	1982...	672 999	740	5 998	696	3 169	5 278	2 070	519
Nematodes in crops ----- farms, 1987...	1 129	2	15	-	11	11	6	1	
	1982...	1 923	13	1	5	7	27	4	6
	acres on which used, 1987...	66 394	(D)	60	-	921	39	435	(D)
	1982...	102 689	26	(D)	100	84	184	343	36
Diseases in crops and orchards ----- farms, 1987...	3 819	15	46	-	34	97	30	17	
	1982...	5 207	14	16	-	31	16	48	
	acres on which used, 1987...	88 759	59	718	-	872	498	787	81
	1982...	128 208	38	28	-	752	286	500	122
Weeds, grass, or brush in crops and pasture ----- farms, 1987...	21 658	99	269	122	110	291	105	112	
	1982...	23 599	61	363	141	95	254	78	57
	acres on which used, 1987...	2 150 274	2 203	27 152	9 836	7 745	7 558	4 379	1 984
	1982...	2 601 508	612	32 228	11 377	10 292	8 393	4 464	377
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987...	3 541	8	23	-	9	53	17	22	
	1982...	3 359	21	3	1	9	24	3	19
	acres on which used, 1987...	306 832	14	1 012	-	600	432	409	50
	1982...	154 179	90	425	(D)	171	2 382	(D)	118

  

Chemicals used	1987 and 1982								
	Cannon	Carroll	Carter	Cheatham	Chester	Claiborne	Clay	Cocke	
Commercial fertilizer ----- farms, 1987...	432	590	630	434	309	1 360	435	874	
	1982...	515	822	753	477	1 539	516	1 074	
	acres on which used, 1987...	24 935	66 645	6 852	12 882	34 556	27 974	10 221	19 361
	1982...	22 840	75 512	9 951	8 477	34 881	25 332	11 899	15 560
Cropland fertilized, except pastureland ----- farms, 1987...	353	470	597	375	257	1 317	411	797	
	1982...	428	748	687	450	373	1 491	510	1 074
	acres on which used, 1987...	17 150	58 547	3 973	6 915	29 770	15 424	6 755	10 502
	1982...	16 724	70 131	5 919	5 891	31 508	14 062	7 220	10 769
Pastureland and rangeland fertilized ----- farms, 1987...	169	232	158	191	105	350	117	259	
	1982...	163	203	230	92	98	472	120	216
	acres on which used, 1987...	7 785	8 098	2 879	5 967	4 786	12 550	3 468	8 959
	1982...	6 116	5 381	4 032	2 588	3 373	11 270	4 679	4 791
Lime ----- farms, 1987...	81	227	84	110	103	310	85	188	
	1982...	91	204	120	131	120	324	71	322
	acres on which used, 1987...	2 806	9 238	666	1 721	4 197	5 549	1 386	2 073
	1982...	2 480	6 875	641	2 326	3 019	4 301	951	2 896
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1987...	104	162	173	223	61	255	171	308	
	1982...	141	119	153	305	20	290	294	367
	acres on which used, 1987...	2 500	10 099	1 292	1 841	3 459	1 979	912	2 278
	1982...	2 411	8 399	1 042	2 406	1 345	774	1 656	2 155
Nematodes in crops ----- farms, 1987...	7	8	2	10	2	11	8	14	
	1982...	8	34	22	29	8	5	24	81
	acres on which used, 1987...	160	731	(D)	20	(D)	56	61	40
	1982...	694	3 137	42	141	86	9	80	324
Diseases in crops and orchards ----- farms, 1987...	14	20	127	42	3	57	34	114	
	1982...	21	26	138	24	6	150	73	130
	acres on which used, 1987...	232	1 496	410	366	441	216	89	620
	1982...	(D)	470	329	163	300	480	221	1 272
Weeds, grass, or brush in crops and pasture ----- farms, 1987...	173	311	194	119	190	286	82	233	
	1982...	166	552	142	227	231	254	156	297
	acres on which used, 1987...	12 414	49 019	1 288	3 672	24 884	4 719	3 352	3 586
	1982...	11 261	58 324	1 409	4 678	25 680	3 007	3 284	3 936
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987...	9	68	27	3	14	123	23	68	
	1982...	13	16	12	21	12	53	5	16
	acres on which used, 1987...	542	6 070	166	(D)	1 017	288	82	165
	1982...	907	1 742	31	51	755	245	20	74



**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	Hamblen	Hamilton	Hancock	Hardeman	Hardin	Hawkins	Haywood	Henderson
Commercial fertilizer ----- farms, 1987--	611	257	715	348	375	1 719	441	598
1982--	740	321	757	424	438	1 723	501	602
acres on which used, 1987--	12 884	8 995	10 509	47 185	36 582	26 890	134 627	48 573
1982--	15 428	12 730	9 119	78 894	44 067	23 870	130 227	58 077
Cropland fertilized, except pastureland ----- farms, 1987--	579	175	701	257	284	1 606	407	507
1982--	699	201	744	325	372	1 645	463	473
acres on which used, 1987--	9 115	5 317	5 416	38 305	29 272	17 335	128 252	37 111
1982--	9 447	7 723	5 037	71 454	40 560	15 762	125 205	46 679
Pastureland and rangeland fertilized ----- farms, 1987--	111	157	116	132	159	421	85	220
1982--	262	173	151	178	131	417	96	317
acres on which used, 1987--	3 769	3 678	5 093	8 880	7 310	8 945	6 375	11 462
1982--	5 981	5 007	4 082	7 440	3 507	8 108	5 022	11 398
Lime ----- farms, 1987--	152	50	111	68	73	283	92	212
1982--	110	146	101	85	45	360	104	149
acres on which used, 1987--	2 795	1 170	2 559	5 852	2 831	4 375	12 469	6 141
1982--	2 470	4 098	5 336	5 408	830	4 011	9 383	4 490
tons, 1987--	5 109	2 247	3 694	10 662	5 234	7 251	24 704	12 052
1982--	4 386	7 551	1 245	10 587	1 712	7 629	16 477	10 323
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1987--	169	32	146	129	73	442	216	58
1982--	121	33	89	127	76	279	166	84
acres on which used, 1987--	2 345	1 006	840	20 812	5 100	4 021	60 248	3 520
1982--	2 160	1 217	307	20 757	10 358	1 827	29 968	6 667
Nematodes in crops ----- farms, 1987--	5	2	1	28	5	7	28	4
1982--	19	-	-	23	10	25	26	1
acres on which used, 1987--	132	(D)	(D)	428	35	(D)	8 400	(D)
1982--	777	-	-	2 897	3 030	71	3 449	(D)
Diseases in crops and orchards ----- farms, 1987--	12	3	52	9	15	97	39	18
1982--	29	9	164	48	4	234	21	10
acres on which used, 1987--	(D)	(D)	76	3 421	2 161	179	2 897	439
1982--	81	118	486	6 437	2 825	652	3 951	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	175	85	199	153	243	419	315	320
1982--	169	68	168	219	215	385	375	405
acres on which used, 1987--	5 279	2 930	3 323	26 502	26 498	5 067	108 424	28 352
1982--	4 311	4 271	2 206	50 086	35 303	3 958	128 201	46 023
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	35	10	27	61	16	117	144	13
1982--	68	23	37	32	3	137	105	12
acres on which used, 1987--	69	300	58	9 161	2 147	265	51 069	431
1982--	291	117	79	4 548	(D)	394	18 486	1 828

  

Chemicals used	Henry	Hickman	Houston	Humphreys	Jackson	Jefferson	Johnson	Knox
Commercial fertilizer ----- farms, 1987--	558	343	168	328	524	1 018	771	775
1982--	703	439	170	322	685	1 146	851	881
acres on which used, 1987--	65 715	23 552	7 728	22 375	7 746	27 934	8 988	22 779
1982--	83 962	17 936	7 933	22 285	8 473	29 802	10 036	21 013
Cropland fertilized, except pastureland ----- farms, 1987--	482	233	110	214	454	911	764	581
1982--	606	376	155	283	643	1 060	845	721
acres on which used, 1987--	53 958	12 923	3 872	15 446	4 622	15 677	6 495	10 783
1982--	72 546	12 307	4 541	18 585	6 295	17 198	6 248	13 387
Pastureland and rangeland fertilized ----- farms, 1987--	223	189	89	149	110	368	107	416
1982--	230	140	42	108	91	354	169	349
acres on which used, 1987--	11 757	10 629	3 856	6 929	3 124	12 257	2 493	11 996
1982--	11 416	5 629	3 392	3 700	2 178	12 604	3 788	7 626
Lime ----- farms, 1987--	210	49	33	50	76	230	149	199
1982--	264	52	22	36	88	273	182	159
acres on which used, 1987--	11 517	2 717	777	1 832	1 168	4 924	1 235	6 404
1982--	8 335	931	447	885	1 780	4 702	1 020	2 747
tons, 1987--	22 404	6 510	1 672	4 506	1 981	10 806	1 857	8 649
1982--	16 077	1 783	903	1 827	2 219	10 243	1 544	4 145
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1987--	208	63	56	41	163	296	188	165
1982--	221	122	46	69	244	296	303	245
acres on which used, 1987--	8 479	448	931	2 765	767	4 635	1 877	2 654
1982--	9 549	1 368	229	2 234	1 528	2 689	2 100	3 517
Nematodes in crops ----- farms, 1987--	4	2	-	-	11	11	21	17
1982--	18	29	4	9	22	24	24	2
acres on which used, 1987--	255	(D)	-	-	165	31	160	132
1982--	733	1 035	8	1 048	550	722	(D)	(D)
Diseases in crops and orchards ----- farms, 1987--	18	9	-	1	44	46	146	43
1982--	9	39	-	15	43	69	219	106
acres on which used, 1987--	695	542	-	(D)	99	300	505	93
1982--	(D)	1 394	-	451	96	714	313	379
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	358	132	26	91	190	275	231	245
1982--	497	185	84	143	209	200	208	140
acres on which used, 1987--	49 979	8 015	3 135	12 188	2 910	7 303	3 073	4 364
1982--	67 796	8 554	2 754	17 778	5 784	4 437	2 281	4 288
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	21	1	1	-	31	57	47	11
1982--	29	31	-	-	36	64	66	24
acres on which used, 1987--	424	(D)	(D)	-	355	192	193	93
1982--	648	112	-	-	79	189	211	45

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	County								
	Lake	Lauderdale	Lawrence	Lewis	Lincoln	Loudon	McMinn	McNairy	
Commercial fertilizer ----- farms, 1987--	66	428	1 012	157	986	556	766	548	
	82	459	1 031	158	1 102	550	762	593	
	acres on which used, 1987--	38 587	104 734	63 003	4 324	70 489	22 678	38 241	44 504
	1982--	42 101	88 561	90 268	8 473	74 597	18 948	38 794	58 962
Cropland fertilized, except pastureland ----- farms, 1987--	64	406	703	108	714	444	617	464	
	92	451	831	133	998	460	695	622	
	acres on which used, 1987--	38 527	101 070	40 996	2 645	53 369	12 262	24 653	40 306
	1982--	(D)	86 659	72 708	5 643	61 014	12 474	26 837	55 819
Pastureland and rangeland fertilized ----- farms, 1987--	3	70	514	69	389	238	324	166	
	1	40	473	95	353	165	195	133	
	acres on which used, 1987--	60	3 664	22 007	1 679	17 120	10 417	13 588	4 198
	1982--	(D)	1 902	17 560	2 830	13 583	6 474	11 957	3 143
Lime ----- farms, 1987--	8	71	311	43	223	158	246	188	
	11	96	259	72	205	128	158	142	
	acres on which used, 1987--	454	6 095	11 731	1 110	7 082	4 131	6 143	7 386
	1982--	1 072	3 646	9 408	1 165	5 777	2 455	4 400	5 239
Sprays, dusts, granules, fumigants, etc., to control--	892	12 158	18 771	1 889	12 514	7 896	9 516	18 106	
	1 329	7 417	16 869	2 486	11 261	5 179	10 378	9 599	
	acres on which used, 1987--	14 375	27 046	8 222	83	10 477	2 599	4 339	6 350
	1982--	11 409	26 946	13 209	311	8 553	5 093	6 837	6 244
Nematodes in crops ----- farms, 1987--	3	11	4	-	4	28	3	-	
	3	23	24	-	67	7	6	14	
	acres on which used, 1987--	738	1 521	1 325	-	(D)	324	(D)	
	1982--	400	1 396	4 336	-	3 334	1 010	603	440
Diseases in crops and orchards ----- farms, 1987--	5	29	17	3	37	47	20	4	
	9	34	44	-	70	45	56	29	
	acres on which used, 1987--	2 936	5 821	397	(D)	2 750	573	174	41
	1982--	2 820	5 658	6 530	-	2 096	628	526	688
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	70	360	359	67	357	194	166	332	
	103	399	458	30	459	116	214	410	
	acres on which used, 1987--	62 079	113 568	30 009	3 175	33 353	6 559	8 224	35 176
	1982--	74 643	118 367	60 318	4 007	44 875	6 437	10 542	45 293
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	19	117	6	-	48	30	23	19	
	6	38	32	-	76	25	22	7	
	acres on which used, 1987--	6 472	22 026	165	-	2 739	402	64	1 631
	1982--	2 171	6 475	2 176	-	3 541	987	279	58

  

Chemicals used	County								
	Macon	Madison	Marion	Marshall	Maury	Meigs	Monroe	Montgomery	
Commercial fertilizer ----- farms, 1987--	1 032	447	185	610	1 043	254	746	790	
	1 133	539	181	763	1 144	244	799	868	
	acres on which used, 1987--	23 368	66 140	14 518	32 419	50 169	14 909	35 017	57 105
	1982--	23 400	93 382	13 410	39 540	61 076	9 287	34 962	53 124
Cropland fertilized, except pastureland ----- farms, 1987--	968	409	159	495	847	209	653	674	
	1 125	475	157	705	1 027	208	752	807	
	acres on which used, 1987--	14 460	61 968	12 875	20 305	31 787	10 167	22 783	42 624
	1982--	17 209	90 058	11 141	28 215	43 774	5 828	25 030	41 594
Pastureland and rangeland fertilized ----- farms, 1987--	231	90	52	240	432	122	298	264	
	204	124	87	259	407	100	282	209	
	acres on which used, 1987--	8 906	4 172	1 643	12 114	18 382	4 742	12 234	14 481
	1982--	6 191	3 324	2 269	11 325	17 302	3 459	9 932	11 530
Lime ----- farms, 1987--	201	122	36	98	205	82	173	147	
	270	145	22	109	221	82	122	188	
	acres on which used, 1987--	3 300	6 882	1 277	2 310	6 475	2 034	5 723	6 415
	1982--	4 572	9 347	412	2 396	5 777	1 169	4 377	5 830
Sprays, dusts, granules, fumigants, etc., to control--	6 964	12 459	2 385	4 889	12 067	4 000	9 698	13 231	
	10 152	16 082	687	4 203	11 946	2 364	9 611	11 057	
	acres on which used, 1987--	3 243	30 316	3 849	4 193	4 522	1 753	8 564	6 815
	1982--	3 122	20 857	1 584	3 241	7 784	661	6 494	14 530
Nematodes in crops ----- farms, 1987--	23	12	-	1	24	1	9	36	
	42	12	-	40	47	-	9	60	
	acres on which used, 1987--	260	2 145	-	(D)	167	(D)	624	1 247
	1982--	675	2 182	-	461	512	-	(D)	1 138
Diseases in crops and orchards ----- farms, 1987--	70	23	29	30	47	3	63	49	
	89	32	7	26	87	-	34	59	
	acres on which used, 1987--	191	6 184	334	75	888	(D)	908	207
	1982--	670	5 296	(D)	257	2 165	-	617	1 276
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	285	334	80	237	364	52	193	445	
	430	396	84	256	429	41	110	332	
	acres on which used, 1987--	8 241	58 844	8 633	11 181	24 033	3 900	9 491	38 628
	1982--	7 038	73 838	9 219	13 773	27 544	1 778	12 603	30 622
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	45	99	6	40	30	3	23	59	
	61	56	-	26	76	22	17	48	
	acres on which used, 1987--	165	20 272	6	131	137	(D)	108	833
	1982--	345	10 790	-	574	1 538	93	92	1 374

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	Moore	Morgan	Obion	Overton	Perry	Pickett	Polk	Putnam
Commercial fertilizer ----- farms, 1987..	304	201	539	549	133	309	117	820
1982..	267	233	633	653	97	322	164	944
acres on which used, 1987..	10 047	9 181	126 857	21 549	7 435	9 356	8 423	20 813
1982..	12 301	16 735	156 331	23 522	17 286	7 460	9 115	23 382
Cropland fertilized, except pastureland ----- farms, 1987..	259	171	491	472	108	294	80	660
1982..	251	176	599	572	97	314	119	839
acres on which used, 1987..	7 158	5 201	120 767	13 683	5 766	3 334	6 312	9 446
1982..	9 933	11 915	153 582	14 265	15 756	4 256	6 417	14 990
Pastureland and rangeland fertilized ----- farms, 1987..	82	91	105	215	44	96	68	373
1982..	64	124	84	262	27	79	81	292
acres on which used, 1987..	2 889	3 980	6 090	7 866	1 669	6 022	2 111	11 367
1982..	2 368	4 820	2 749	9 257	1 530	3 204	2 698	8 392
Lime ----- farms, 1987..	43	82	197	166	16	68	22	204
1982..	55	72	249	150	18	37	51	162
acres on which used, 1987..	1 011	1 966	12 000	3 583	281	1 661	1 062	3 626
1982..	655	1 052	15 038	2 082	813	349	1 433	4 265
tons, 1987..	1 976	4 396	23 204	7 776	524	3 106	2 552	8 435
1982..	1 387	1 961	25 688	4 607	1 776	840	2 460	8 073
Sprays, dusts, granules, fumigants, etc., to control—								
insects on hay and other crops ----- farms, 1987..	108	42	107	202	38	148	16	225
1982..	97	54	171	230	9	144	24	315
acres on which used, 1987..	575	224	13 316	3 160	4 081	790	2 182	2 533
1982..	871	2 966	39 549	4 612	2 157	556	1 106	3 012
Nematodes in crops ----- farms, 1987..	-	12	25	6	3	8	3	33
1982..	-	5	47	1	1	8	2	29
acres on which used, 1987..	-	12	1 812	102	(D)	80	(D)	193
1982..	-	15	5 367	(D)	(D)	26	(D)	2 280
Diseases in crops and orchards ----- farms, 1987..	1	12	15	38	-	33	9	44
1982..	7	15	31	79	6	32	2	58
acres on which used, 1987..	(D)	13	2 256	75	-	286	18	240
1982..	35	23	4 950	126	540	92	(D)	200
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	124	86	468	155	70	59	51	161
1982..	54	86	526	132	88	46	42	184
acres on which used, 1987..	2 765	1 875	124 720	6 341	4 482	1 246	2 800	6 333
1982..	4 392	5 408	136 374	4 823	15 661	547	4 742	6 882
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	1	22	29	13	-	46	-	39
1982..	7	5	26	24	1	7	5	42
acres on which used, 1987..	(D)	158	2 878	13	-	178	-	427
1982..	14	15	2 473	56	(D)	21	521	97

  

Chemicals used	Rhea	Roane	Robertson	Rutherford	Scott	Sequatchie	Sevier	Shelby
Commercial fertilizer ----- farms, 1987..	250	390	1 212	721	165	114	690	385
1982..	244	405	1 521	829	172	114	891	357
acres on which used, 1987..	12 206	10 690	96 624	53 251	5 372	4 285	16 499	63 731
1982..	12 089	13 589	113 436	45 294	5 474	4 318	13 703	83 647
Cropland fertilized, except pastureland ----- farms, 1987..	186	300	1 136	564	116	79	610	265
1982..	152	316	1 457	700	139	84	784	290
acres on which used, 1987..	9 585	6 233	79 387	35 656	2 384	2 666	7 778	58 170
1982..	9 079	5 378	100 979	38 484	3 220	3 100	8 794	80 961
Pastureland and rangeland fertilized ----- farms, 1987..	112	177	320	301	82	54	259	166
1982..	120	147	277	253	64	46	231	113
acres on which used, 1987..	2 621	4 457	17 237	17 595	2 978	1 619	8 721	5 581
1982..	3 010	8 211	12 457	6 810	2 254	1 218	4 909	2 686
Lime ----- farms, 1987..	41	99	329	133	43	26	129	113
1982..	70	86	458	188	24	23	149	107
acres on which used, 1987..	1 502	1 196	11 070	3 528	780	559	1 659	4 407
1982..	2 530	1 489	16 522	4 627	193	657	1 637	4 522
tons, 1987..	2 588	2 337	20 821	7 393	1 134	1 006	2 267	7 008
1982..	6 047	2 997	31 135	8 758	453	855	3 047	8 944
Sprays, dusts, granules, fumigants, etc., to control—								
insects on hay and other crops ----- farms, 1987..	46	92	738	186	11	11	284	150
1982..	64	111	1 053	176	28	9	256	55
acres on which used, 1987..	3 211	712	19 791	5 810	293	192	1 689	22 164
1982..	2 645	551	29 944	5 766	964	517	1 631	9 562
Nematodes in crops ----- farms, 1987..	1	-	77	11	8	2	10	7
1982..	1	-	77	6	-	-	14	5
acres on which used, 1987..	(D)	-	1 687	260	8	(D)	36	803
1982..	(D)	-	3 109	140	-	-	56	2 529
Diseases in crops and orchards ----- farms, 1987..	34	35	200	38	-	3	47	39
1982..	47	20	194	5	22	-	48	9
acres on which used, 1987..	653	43	3 071	230	-	18	280	2 971
1982..	697	50	5 813	35	824	-	265	1 432
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	79	133	618	284	49	31	158	229
1982..	29	58	797	275	55	23	187	251
acres on which used, 1987..	3 581	1 299	65 408	21 237	949	1 643	1 676	60 330
1982..	4 235	968	74 147	26 475	956	2 330	4 307	91 723
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	-	-	70	30	-	-	20	65
1982..	-	-	98	1	7	3	25	36
acres on which used, 1987..	-	-	2 166	655	-	-	126	16 251
1982..	-	-	5 680	(D)	98	30	37	8 921

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	County							
	Smith	Stewart	Sullivan	Sumner	Tipton	Trousdale	Unicoi	Union
Commercial fertilizer ----- farms, 1987..	851	277	1 141	1 341	549	342	233	534
	1982..	959	382	1 323	1 577	548	431	294
	acres on which used, 1987..	22 069	11 248	22 032	49 326	105 084	14 057	1 093
	1982..	16 372	9 167	17 325	58 051	101 285	8 208	1 039
Cropland fertilized, except pastureland ----- farms, 1987..	774	213	1 090	1 215	438	327	228	500
	1982..	926	346	1 244	1 487	498	405	294
	acres on which used, 1987..	13 473	6 345	14 115	36 473	96 720	8 206	875
	1982..	10 984	7 287	12 460	47 555	98 536	5 067	(D)
Pastureland and rangeland fertilized ----- farms, 1987..	215	116	310	346	226	77	28	143
	1982..	159	81	224	279	106	82	13
	acres on which used, 1987..	8 596	4 903	7 917	12 853	8 364	5 851	218
	1982..	5 388	1 880	4 865	10 496	2 749	3 141	(D)
Lime ----- farms, 1987..	154	20	218	338	83	80	17	30
	1982..	213	47	268	363	136	50	21
	acres on which used, 1987..	5 798	520	3 937	7 670	6 501	2 005	49
	1982..	1 905	1 025	2 052	9 126	9 699	608	49
Sprays, dusts, granules, fumigants, etc., to control—	14 410	1 076	6 651	15 015	11 739	4 368	64	1 228
	1982..	3 207	1 974	4 510	16 975	18 159	1 379	79
	tons, 1987..							
	1982..							
Insects on hay and other crops ----- farms, 1987..	347	114	199	657	143	207	79	162
	1982..	621	222	248	919	113	272	83
	acres on which used, 1987..	1 737	2 112	2 655	8 452	36 344	1 461	215
	1982..	3 966	2 007	1 785	16 382	27 291	3 317	315
Nematodes in crops ----- farms, 1987..	16	-	8	61	20	31	-	10
	1982..	66	13	32	41	29	33	17
	acres on which used, 1987..	315	-	188	916	6 321	71	-
	1982..	193	103	122	1 000	3 818	148	31
Diseases in crops and orchards ----- farms, 1987..	36	2	149	126	32	24	54	14
	1982..	179	19	258	114	32	30	96
	acres on which used, 1987..	1 157	(D)	546	804	2 138	53	102
	1982..	1 013	25	1 073	1 345	5 953	136	402
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	305	65	305	501	388	124	57	78
	1982..	341	180	291	612	378	136	48
	acres on which used, 1987..	10 567	1 617	5 521	22 744	117 917	4 271	202
	1982..	8 430	6 292	4 529	41 479	119 357	3 376	161
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	51	7	21	34	163	13	28	26
	1982..	41	30	62	94	96	61	7
	acres on which used, 1987..	97	(D)	129	141	38 571	(D)	65
	1982..	786	900	123	1 470	15 671	157	21

  

Chemicals used	County							
	Van Buren	Warren	Washington	Wayne	Weakley	White	Williamson	Wilson
Commercial fertilizer ----- farms, 1987..	180	959	1 620	484	716	814	884	921
	1982..	149	998	1 694	483	883	925	1 105
	acres on which used, 1987..	9 641	53 985	38 291	22 957	102 605	31 868	45 699
	1982..	7 932	78 277	41 079	26 427	127 121	31 306	51 824
Cropland fertilized, except pastureland ----- farms, 1987..	140	780	1 468	222	653	664	645	697
	1982..	123	887	1 621	301	833	810	849
	acres on which used, 1987..	5 488	37 451	25 698	8 346	96 820	18 348	27 717
	1982..	5 614	65 174	26 796	15 036	123 427	19 282	39 210
Pastureland and rangeland fertilized ----- farms, 1987..	97	344	528	351	121	365	403	359
	1982..	60	302	570	278	123	322	244
	acres on which used, 1987..	4 153	16 534	12 593	14 611	5 785	13 620	17 982
	1982..	2 318	13 103	14 283	11 391	3 694	12 024	12 614
Lime ----- farms, 1987..	38	258	407	104	253	132	168	124
	1982..	41	213	359	85	281	170	206
	acres on which used, 1987..	2 797	11 683	6 767	1 587	19 075	3 934	6 221
	1982..	1 282	5 230	6 882	1 555	14 282	3 863	9 633
Sprays, dusts, granules, fumigants, etc., to control—	4 367	27 776	12 569	3 742	37 583	7 167	10 087	8 581
	1982..	2 454	9 925	14 214	3 277	27 995	7 136	21 659
	tons, 1987..							
	1982..							
Insects on hay and other crops ----- farms, 1987..	32	402	453	71	127	226	237	333
	1982..	34	449	329	36	141	329	364
	acres on which used, 1987..	361	12 738	6 749	421	12 985	3 402	4 473
	1982..	914	17 157	6 010	867	13 906	4 004	6 707
Nematodes in crops ----- farms, 1987..	2	56	40	-	29	8	21	14
	1982..	-	23	60	14	52	18	45
	acres on which used, 1987..	(D)	1 342	1 834	-	2 565	32	463
	1982..	-	307	1 284	682	3 573	231	1 267
Diseases in crops and orchards ----- farms, 1987..	1	158	174	35	20	51	72	51
	1982..	-	112	283	14	27	37	50
	acres on which used, 1987..	(D)	3 337	1 700	226	2 226	191	435
	1982..	-	2 427	1 512	(D)	5 293	115	2 254
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	36	484	508	106	529	158	299	317
	1982..	25	452	432	132	775	263	249
	acres on which used, 1987..	2 014	20 003	10 450	5 025	89 172	10 426	17 654
	1982..	509	38 416	8 572	11 680	118 926	9 537	16 135
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	1	14	116	-	7	21	49	32
	1982..	-	64	178	6	22	39	47
	acres on which used, 1987..	(D)	211	350	-	505	37	630
	1982..	-	956	771	30	497	390	985