

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	North Carolina							
	North Carolina	Alamance	Alexander	Alleghany	Anson	Ashe	Avery	
Commercial fertilizer ----- farms, 1987..	46 980	642	359	351	182	949	217	
	1982..	57 999	740	486	449	1 130	232	
	acres on which used, 1987..	3 352 202	27 504	14 663	12 605	20 631	12 489	4 327
	1982..	4 049 074	30 430	14 280	10 900	45 275	10 592	2 344
Cropland fertilized, except pastureland ----- farms, 1987..	42 530	535	296	290	116	887	201	
	1982..	54 186	666	419	411	218	1 030	180
	acres on which used, 1987..	3 035 770	21 150	9 621	8 264	16 403	6 664	2 895
	1982..	3 725 327	24 977	9 020	6 299	40 163	5 106	1 371
Pastureland and rangeland fertilized ----- farms, 1987..	10 783	270	138	116	95	257	67	
	1982..	11 983	204	234	192	343	68	
	acres on which used, 1987..	326 432	6 354	5 042	4 341	4 228	5 825	1 432
	1982..	323 747	5 453	5 260	4 601	5 112	5 486	973
Lime ----- farms, 1987..	12 877	153	78	66	35	229	74	
	1982..	16 934	234	121	111	95	28	
	acres on which used, 1987..	568 022	3 372	2 406	2 562	2 147	1 840	503
	1982..	668 166	4 169	1 277	2 307	5 078	2 189	(D)
Sprays, dusts, granules, fumigants, etc., to control--	578 825	5 268	2 547	3 689	2 077	2 573	785	
	1982..	687 741	5 503	1 898	3 572	5 569	3 221	261
	Insects on hay and other crops ----- farms, 1987..	24 458	237	112	97	26	286	121
	1982..	27 808	246	163	51	57	263	60
Nematodes in crops ----- farms, 1987..	1 451 995	3 869	3 963	4 100	2 751	1 418	1 526	
	1982..	1 670 485	4 121	3 042	1 526	8 261	1 046	1 024
	acres on which used, 1987..	10 839	93	17	42	1	41	14
	1982..	15 696	165	49	14	5	19	7
Diseases in crops and orchards ----- farms, 1987..	404 368	856	350	352	(D)	497	14	
	1982..	615 848	2 101	209	(D)	1 377	49	8
	acres on which used, 1987..	7 505	63	32	76	10	215	90
	1982..	9 313	72	62	34	22	324	42
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	243 372	819	801	325	667	851	1 258	
	1982..	300 927	472	1 496	405	(D)	1 042	421
	acres on which used, 1987..	24 298	241	208	126	114	342	132
	1982..	28 005	333	106	100	154	155	68
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	2 254 489	10 704	6 440	5 775	15 779	6 912	1 538	
	1982..	2 823 213	14 307	4 711	2 365	38 526	1 366	581
	acres on which used, 1987..	3 653	14	19	2	1	33	19
	1982..	5 201	50	25	23	14	69	2
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	137 014	181	437	(D)	(D)	142	65	
	1982..	179 014	704	436	179	574	300	(D)

Chemicals used	North Carolina						
	Beaufort	Bertie	Bladen	Brunswick	Buncombe	Burke	Cabarrus
Commercial fertilizer ----- farms, 1987..	567	462	620	260	1 026	253	320
	1982..	690	576	738	416	1 254	381
	acres on which used, 1987..	85 174	59 216	46 794	12 760	22 691	8 129
	1982..	90 678	68 697	59 895	21 832	22 257	9 099
Cropland fertilized, except pastureland ----- farms, 1987..	552	462	601	237	914	158	244
	1982..	690	576	731	410	1 096	286
	acres on which used, 1987..	84 702	59 009	45 909	12 257	13 706	4 705
	1982..	90 346	67 882	59 323	21 354	12 838	6 829
Pastureland and rangeland fertilized ----- farms, 1987..	31	9	44	26	375	129	162
	1982..	17	20	20	23	456	127
	acres on which used, 1987..	472	207	885	503	8 985	3 424
	1982..	332	815	572	478	9 419	2 270
Lime ----- farms, 1987..	173	153	112	17	264	90	158
	1982..	225	208	182	87	368	108
	acres on which used, 1987..	13 137	14 796	5 489	1 367	4 485	1 382
	1982..	15 449	16 501	9 409	3 482	4 080	1 321
Sprays, dusts, granules, fumigants, etc., to control--	12 146	9 240	5 886	1 466	6 849	2 165	5 793
	1982..	15 403	10 033	9 971	3 830	5 096	2 480
	Insects on hay and other crops ----- farms, 1987..	396	403	408	160	380	85
	1982..	479	496	472	216	377	76
Nematodes in crops ----- farms, 1987..	47 829	45 388	23 085	5 291	3 205	1 690	1 699
	1982..	53 747	43 721	33 419	10 969	4 320	1 078
	acres on which used, 1987..	174	218	232	91	32	16
	1982..	159	215	252	115	84	9
Diseases in crops and orchards ----- farms, 1987..	8 144	11 275	10 360	1 770	868	343	-
	1982..	7 535	14 533	11 371	2 484	984	(D)
	acres on which used, 1987..	96	200	118	59	163	39
	1982..	122	165	123	48	368	57
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	2 571	13 497	5 559	1 472	865	617	519
	1982..	5 137	11 646	5 109	904	887	360
	acres on which used, 1987..	446	363	405	169	307	70
	1982..	533	479	410	214	280	147
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	78 085	57 338	32 466	12 471	9 323	2 154	13 084
	1982..	82 135	59 534	40 158	17 778	5 749	3 821
	acres on which used, 1987..	54	94	77	23	68	16
	1982..	85	65	91	12	97	9
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	1 529	3 171	1 941	264	154	218	-
	1982..	5 463	3 192	1 810	543	699	156

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	Caldwell	Camden	Carteret	Caswell	Catawba	Chatham	Cherokee
Commercial fertilizer ----- farms, 1987..	298	83	100	612	486	560	175
1982..	335	102	129	789	542	510	197
acres on which used, 1987..	7 060	32 225	25 428	19 706	21 207	26 163	3 204
1982..	10 417	33 703	(D)	18 158	42 880	26 429	2 156
Cropland fertilized, except pastureland ----- farms, 1987..	246	83	98	586	388	345	121
1982..	280	102	123	761	384	434	152
acres on which used, 1987..	4 130	32 160	(D)	15 455	14 916	13 136	1 856
1982..	8 016	33 639	31 284	15 139	31 775	21 795	1 001
Pastureland and rangeland fertilized ----- farms, 1987..	98	4	2	145	232	271	68
1982..	137	7	16	178	260	140	77
acres on which used, 1987..	2 930	65	(D)	4 251	6 291	13 027	1 348
1982..	2 401	64	(D)	3 019	11 105	4 634	1 155
Lime ----- farms, 1987..	77	31	22	115	183	135	96
1982..	107	42	33	122	173	135	89
acres on which used, 1987..	1 100	6 633	(D)	3 264	3 957	3 292	1 010
1982..	1 699	7 663	1 186	1 559	4 578	2 530	960
tons, 1987..	1 660	5 939	(D)	4 233	4 546	5 047	1 567
1982..	2 999	6 670	923	2 111	5 387	4 178	1 356
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms, 1987..	110	70	69	398	66	125	56
1982..	65	62	97	392	59	139	63
acres on which used, 1987..	1 609	25 783	22 960	6 264	2 687	4 429	508
1982..	1 585	23 511	17 127	4 776	973	3 705	1 325
Nematodes in crops ----- farms, 1987..	15	6	20	138	9	32	20
1982..	31	6	55	264	-	52	-
acres on which used, 1987..	138	825	1 783	1 685	33	702	157
1982..	154	1 404	2 282	3 342	-	816	-
Diseases in crops and orchards ----- farms, 1987..	36	1	19	78	29	27	28
1982..	7	-	19	71	33	39	26
acres on which used, 1987..	342	(D)	1 209	1 340	56	348	104
1982..	112	-	426	745	287	482	124
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	125	67	78	218	171	243	78
1982..	133	67	84	265	215	257	68
acres on which used, 1987..	2 231	30 736	26 236	7 227	6 591	9 978	1 475
1982..	3 683	31 811	16 685	5 597	21 012	13 679	1 383
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	2	-	9	42	3	20	8
1982..	26	-	15	37	13	20	13
acres on which used, 1987..	(D)	-	188	594	241	337	8
1982..	281	-	360	497	234	375	37

Chemicals used	Chowan	Clay	Cleveland	Columbus	Craven	Cumberland	Curruck	Dare
Commercial fertilizer ----- farms, 1987..	200	144	532	1 193	370	418	80	4
1982..	191	185	661	1 446	480	505	118	4
acres on which used, 1987..	26 559	4 824	31 840	74 833	42 014	39 175	(D)	(D)
1982..	33 829	4 515	53 682	87 373	40 650	54 207	31 048	(D)
Cropland fertilized, except pastureland ----- farms, 1987..	200	107	316	1 176	364	387	80	4
1982..	185	138	528	1 442	468	497	118	4
acres on which used, 1987..	26 314	1 706	16 767	73 525	41 533	36 668	(D)	(D)
1982..	33 654	2 416	42 608	85 737	39 730	53 372	(D)	(D)
Pastureland and rangeland fertilized ----- farms, 1987..	8	72	319	71	12	59	2	-
1982..	27	108	279	87	28	37	2	-
acres on which used, 1987..	245	3 118	15 073	1 308	481	2 507	(D)	-
1982..	175	2 099	11 074	1 636	920	835	(D)	-
Lime ----- farms, 1987..	76	61	163	199	72	118	17	-
1982..	69	60	249	338	137	168	44	1
acres on which used, 1987..	4 701	1 130	5 333	8 417	5 048	6 634	2 275	-
1982..	2 492	543	10 084	11 856	7 196	7 943	5 067	(D)
tons, 1987..	3 555	1 700	6 681	6 993	4 532	6 105	2 115	-
1982..	1 541	1 066	13 278	10 938	8 633	6 759	5 137	(D)
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	187	30	105	781	270	316	64	2
1982..	150	49	129	891	342	335	70	3
acres on which used, 1987..	18 731	222	5 039	39 644	21 393	21 589	20 018	(D)
1982..	19 965	232	6 082	44 776	23 497	28 083	19 783	(D)
Nematodes in crops ----- farms, 1987..	87	6	4	543	163	82	13	-
1982..	93	15	11	663	202	127	13	-
acres on which used, 1987..	5 016	(D)	(D)	15 384	8 358	3 372	1 484	(D)
1982..	7 956	22	1 834	22 661	7 354	7 091	(D)	-
Diseases in crops and orchards ----- farms, 1987..	45	10	44	266	75	55	10	2
1982..	88	13	47	328	60	52	17	-
acres on which used, 1987..	2 841	55	548	5 719	1 784	2 374	238	(D)
1982..	4 245	20	1 463	6 679	2 766	1 478	(D)	-
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	187	62	207	801	276	186	69	4
1982..	142	73	275	809	267	326	94	1
acres on which used, 1987..	25 213	1 173	15 504	55 484	34 602	25 033	25 121	(D)
1982..	29 358	1 661	35 876	62 927	30 926	40 127	30 662	(D)
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	80	5	25	79	30	18	1	-
1982..	63	35	19	85	14	46	2	-
acres on which used, 1987..	4 110	50	1 045	988	790	496	(D)	-
1982..	3 954	600	952	2 256	904	1 222	(D)	-

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Chemicals used	Davidson	Davie	Duplin	Durham	Edgecombe	Forsyth	Franklin	Gaston
	Commercial fertilizer ----- farms, 1987..	887	420	1 204	168	401	589	533
1982..	989	525	1 471	215	513	712	721	280
acres on which used, 1987..	34 607	26 372	93 607	5 884	78 302	15 348	25 321	11 530
1982..	40 705	19 236	130 260	6 913	101 980	14 243	34 914	16 815
Cropland fertilized, except pastureland ----- farms, 1987..	721	309	1 202	141	395	519	514	178
1982..	917	378	1 470	206	513	655	690	214
acres on which used, 1987..	26 369	16 630	92 441	4 321	77 288	10 304	23 498	7 133
1982..	32 934	12 597	129 611	5 414	99 721	11 365	31 366	10 783
Pastureland and rangeland fertilized ----- farms, 1987..	398	218	45	36	28	196	48	134
1982..	418	215	44	36	45	192	91	159
acres on which used, 1987..	8 238	9 742	1 166	1 563	1 014	5 044	1 823	4 397
1982..	7 771	6 639	649	1 499	2 259	2 878	3 548	6 032
Lime ----- farms, 1987..	294	153	294	29	120	205	126	75
1982..	278	158	288	60	201	202	220	94
acres on which used, 1987..	5 251	3 735	11 536	416	17 322	3 323	4 558	2 349
1982..	5 995	2 922	15 950	605	22 364	2 863	7 482	4 340
tons, 1987..	8 161	5 305	12 432	587	12 933	5 349	4 390	3 538
1982..	7 358	3 833	14 884	904	13 587	4 351	7 681	5 390
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	282	70	778	105	319	176	317	55
1982..	239	113	896	109	395	267	424	19
acres on which used, 1987..	7 719	3 643	40 613	1 346	40 119	2 250	7 520	859
1982..	4 724	2 109	76 287	2 314	50 814	3 693	11 261	1 007
Nematodes in crops ----- farms, 1987..	94	26	443	28	187	64	184	-
1982..	143	28	585	77	279	130	259	1
acres on which used, 1987..	1 476	677	14 402	317	10 042	757	3 290	-
1982..	1 114	1 392	37 949	1 926	12 979	1 429	7 702	(D)
Diseases in crops and orchards ----- farms, 1987..	22	24	167	24	98	70	89	21
1982..	51	56	241	31	119	124	90	13
acres on which used, 1987..	254	220	5 821	134	10 695	424	2 159	161
1982..	276	745	15 260	850	8 120	944	4 296	59
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	301	93	845	65	277	226	297	77
1982..	343	129	905	65	359	279	321	82
acres on which used, 1987..	12 689	9 184	58 800	1 894	50 345	3 391	18 562	4 558
1982..	14 936	7 533	97 060	2 739	71 674	4 991	27 252	6 401
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	26	1	91	12	59	30	45	13
1982..	92	37	183	5	144	73	94	-
acres on which used, 1987..	312	(D)	1 524	197	6 994	241	475	27
1982..	1 495	1 214	5 622	100	8 083	812	2 504	-

Chemicals used	Gates	Graham	Granville	Greene	Guilford	Halifax	Harnett	Haywood
	Commercial fertilizer ----- farms, 1987..	222	135	728	436	919	374	807
1982..	241	182	917	611	1 131	463	963	832
acres on which used, 1987..	35 730	776	21 302	53 912	37 146	88 704	44 805	14 735
1982..	36 416	1 023	26 610	55 748	43 005	94 923	60 637	14 413
Cropland fertilized, except pastureland ----- farms, 1987..	216	130	685	436	792	365	724	694
1982..	236	168	885	611	1 088	463	939	786
acres on which used, 1987..	35 398	402	15 524	53 614	32 212	84 992	40 415	6 841
1982..	35 727	556	20 714	55 097	35 969	91 588	57 911	6 871
Pastureland and rangeland fertilized ----- farms, 1987..	18	14	157	14	269	38	178	289
1982..	37	57	165	33	351	48	98	235
acres on which used, 1987..	332	374	5 778	298	4 934	3 712	4 390	7 894
1982..	689	467	5 896	651	7 036	3 335	2 726	7 542
Lime ----- farms, 1987..	136	22	132	145	304	148	148	192
1982..	82	70	168	176	244	205	164	257
acres on which used, 1987..	7 875	153	2 422	10 029	6 074	16 571	5 239	2 478
1982..	4 529	336	3 063	12 736	6 313	22 228	5 443	2 302
tons, 1987..	6 235	273	3 612	6 697	8 453	11 261	4 909	3 456
1982..	3 494	526	3 348	7 604	8 977	17 115	5 071	4 255
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	201	54	402	324	435	284	467	265
1982..	186	87	442	415	398	378	575	232
acres on which used, 1987..	25 282	(D)	6 793	22 567	8 533	54 990	20 163	1 922
1982..	20 285	215	7 108	20 831	8 240	57 929	26 069	2 456
Nematodes in crops ----- farms, 1987..	62	1	136	309	150	125	375	65
1982..	105	27	297	392	289	169	483	50
acres on which used, 1987..	4 546	(D)	2 078	12 478	1 905	14 924	10 029	402
1982..	8 688	32	3 453	19 041	4 629	18 225	15 932	518
Diseases in crops and orchards ----- farms, 1987..	88	16	94	92	143	113	164	155
1982..	79	79	102	162	91	177	166	220
acres on which used, 1987..	4 813	35	2 639	3 272	3 014	15 936	4 688	1 149
1982..	3 511	111	2 832	5 241	1 769	13 878	4 175	1 777
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	180	24	235	310	392	293	481	351
1982..	209	56	249	443	504	349	563	290
acres on which used, 1987..	31 054	(D)	7 539	38 541	17 796	72 154	31 171	5 051
1982..	29 131	(D)	6 612	46 498	20 775	85 683	39 863	3 923
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	48	7	53	44	120	118	101	56
1982..	31	10	53	68	83	101	89	53
acres on which used, 1987..	2 287	9	1 062	2 361	2 036	13 641	4 243	613
1982..	3 175	10	1 026	1 896	1 035	12 210	2 480	647

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	Henderson	Hertford	Hoke	Hyde	Iredell	Jackson	Johnston	Jones
Commercial fertilizer ----- farms, 1987--	447	248	141	139	867	209	1 487	239
1982--	487	306	174	167	960	217	1 924	287
acres on which used, 1987--	23 622	35 079	38 083	55 518	55 559	2 747	97 299	31 262
1982--	23 149	43 709	34 219	58 554	58 119	3 064	124 081	33 439
Cropland fertilized, except pastureland ----- farms, 1987--	430	248	136	139	610	173	1 409	239
1982--	424	306	153	167	790	180	1 862	280
acres on which used, 1987--	21 560	(D)	37 665	55 481	36 809	1 833	91 689	31 052
1982--	18 746	43 534	33 914	(D)	43 272	1 998	119 102	33 299
Pastureland and rangeland fertilized ----- farms, 1987--	62	2	20	3	451	85	212	11
1982--	140	4	25	2	438	94	244	7
acres on which used, 1987--	2 062	(D)	418	37	18 750	914	5 610	210
1982--	4 403	175	305	(D)	14 847	1 066	4 979	140
Lime ----- farms, 1987--	167	114	47	48	297	55	305	64
1982--	202	139	43	80	372	113	596	99
acres on which used, 1987--	5 938	8 848	4 492	11 769	10 389	425	12 481	5 306
1982--	8 714	10 469	4 851	22 920	8 981	1 047	17 312	3 384
tons, 1987--	6 567	4 860	4 383	13 187	13 300	388	10 738	2 982
1982--	11 149	6 356	4 913	25 516	12 321	1 612	15 684	3 299
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1987--	311	204	92	107	205	64	978	159
1982--	263	245	123	151	157	62	1 257	255
acres on which used, 1987--	14 971	24 401	22 825	29 995	7 039	280	37 485	16 645
1982--	13 423	23 240	28 022	52 908	5 448	756	55 270	17 728
Nematodes in crops ----- farms, 1987--	31	105	38	11	15	17	667	107
1982--	4	138	48	9	28	12	945	161
acres on which used, 1987--	1 274	5 919	2 695	2 425	508	39	23 098	7 195
1982--	1 440	12 099	7 134	(D)	1 130	24	32 649	15 816
Diseases in crops and orchards ----- farms, 1987--	271	75	26	2	19	33	159	42
1982--	289	91	24	3	18	29	221	92
acres on which used, 1987--	9 005	6 492	1 457	(D)	215	67	6 527	3 200
1982--	10 347	7 659	3 948	(D)	608	47	7 204	5 698
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	236	176	86	130	324	90	945	168
1982--	162	226	93	167	299	64	1 106	186
acres on which used, 1987--	10 325	32 948	27 244	59 588	19 284	1 528	63 678	26 715
1982--	11 162	39 688	30 613	77 388	20 853	1 025	82 904	25 593
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	110	19	43	-	7	5	141	24
1982--	63	42	32	-	28	-	192	118
acres on which used, 1987--	3 078	1 542	3 951	-	(D)	5	3 283	1 130
1982--	1 160	5 790	3 473	-	412	-	3 484	5 610
Chemicals used	Lee	Lenoir	Lincoln	McDowell	Macon	Madison	Martin	Mecklenburg
Commercial fertilizer ----- farms, 1987--	314	607	366	167	195	1 183	531	223
1982--	374	674	499	206	338	1 268	637	324
acres on which used, 1987--	10 725	66 589	22 819	4 803	4 159	9 256	63 905	8 967
1982--	11 928	74 344	28 609	4 903	7 190	8 703	73 354	20 876
Cropland fertilized, except pastureland ----- farms, 1987--	287	607	298	140	167	1 166	531	163
1982--	369	660	418	138	275	1 226	637	250
acres on which used, 1987--	8 946	66 196	17 491	3 449	2 489	6 268	62 623	6 628
1982--	10 532	73 617	22 397	3 265	3 903	5 822	72 148	14 984
Pastureland and rangeland fertilized ----- farms, 1987--	75	46	125	66	93	166	60	109
1982--	71	43	216	101	161	236	52	189
acres on which used, 1987--	1 779	393	5 328	1 354	1 670	2 988	1 282	2 339
1982--	1 396	727	6 212	1 638	3 287	2 881	1 206	5 892
Lime ----- farms, 1987--	65	161	190	65	80	254	150	88
1982--	97	227	214	51	128	394	160	106
acres on which used, 1987--	1 115	7 916	5 155	1 257	934	1 817	10 525	2 344
1982--	1 213	11 137	6 974	810	953	1 878	8 038	2 658
tons, 1987--	980	7 853	6 903	1 425	1 344	3 532	8 149	3 078
1982--	1 089	11 254	7 881	1 080	1 193	3 417	6 332	2 931
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1987--	185	484	150	71	92	571	407	49
1982--	196	471	140	65	81	456	522	53
acres on which used, 1987--	2 742	27 500	5 369	938	834	1 668	38 004	1 383
1982--	4 359	24 753	5 339	1 713	395	1 562	46 342	1 838
Nematodes in crops ----- farms, 1987--	159	324	1	2	6	54	288	11
1982--	214	447	7	6	22	121	294	11
acres on which used, 1987--	2 060	14 390	(D)	(D)	36	214	12 917	333
1982--	4 373	23 936	84	174	403	375	12 221	560
Diseases in crops and orchards ----- farms, 1987--	60	161	58	36	23	313	187	8
1982--	66	148	36	36	73	398	190	3
acres on which used, 1987--	1 031	6 936	1 003	198	276	1 072	8 801	27
1982--	1 313	4 564	1 389	1 140	220	1 014	8 419	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	171	499	148	100	72	354	429	102
1982--	189	488	208	52	113	369	570	137
acres on which used, 1987--	6 823	50 470	8 596	2 405	716	3 746	50 960	5 725
1982--	7 439	58 369	13 189	1 286	1 834	1 505	70 923	10 719
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	38	40	15	6	17	91	52	-
1982--	48	74	18	15	-	154	81	3
acres on which used, 1987--	1 170	1 863	480	6	21	253	2 608	-
1982--	689	1 716	1 379	425	-	356	2 160	(D)

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	Mitchell	Montgomery	Moore	Nash	New Hanover	Northampton	Onslow	Orange
	Commercial fertilizer ----- farms, 1987--	295	144	508	518	45	372	402
----- farms, 1982--	387	190	579	838	49	388	471	442
acres on which used, 1987--	2 264	6 593	13 489	67 654	2 159	68 356	28 853	35 209
----- 1982--	2 138	12 301	27 276	84 312	3 333	73 665	32 982	28 069
Cropland fertilized, except pastureland ----- farms, 1987--	288	117	429	491	43	363	389	332
----- farms, 1982--	382	189	562	822	48	383	458	398
acres on which used, 1987--	1 662	5 533	11 118	64 794	2 071	66 627	28 463	25 724
----- 1982--	1 454	10 656	26 318	79 235	(D)	73 091	32 251	24 483
Pastureland and rangeland fertilized ----- farms, 1987--	57	35	92	55	4	45	36	181
----- farms, 1982--	46	30	74	58	2	11	51	118
acres on which used, 1987--	602	1 060	2 371	2 860	88	1 729	390	9 485
----- 1982--	684	1 645	958	5 077	(D)	574	711	3 586
Lime ----- farms, 1987--	72	57	164	136	7	192	114	139
----- farms, 1982--	94	74	145	175	10	197	119	171
acres on which used, 1987--	(D)	2 473	2 769	14 102	127	19 978	4 567	5 071
----- 1982--	1 067	2 013	4 180	12 278	265	18 823	5 702	4 570
tons, 1987--	612	3 136	3 568	8 300	(D)	12 632	3 130	6 999
----- 1982--	1 381	2 601	4 787	10 352	371	13 054	5 441	6 143
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1987--	179	59	267	335	22	300	193	169
----- farms, 1982--	111	47	222	576	31	320	318	190
acres on which used, 1987--	897	1 798	3 749	33 824	350	54 425	12 348	4 581
----- 1982--	708	2 247	4 967	35 588	772	45 206	17 362	5 276
Nematodes in crops ----- farms, 1987--	-	14	123	207	4	97	129	65
----- farms, 1982--	12	16	171	436	11	107	172	105
acres on which used, 1987--	-	206	2 260	11 740	(D)	14 564	5 465	1 182
----- 1982--	48	705	3 403	15 676	181	12 148	8 917	2 909
Diseases in crops and orchards ----- farms, 1987--	58	21	61	94	9	119	35	29
----- farms, 1982--	130	18	56	190	12	122	86	72
acres on which used, 1987--	398	724	888	8 888	88	16 742	1 099	241
----- 1982--	707	743	1 327	11 528	116	14 567	3 439	878
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	65	58	245	377	23	317	264	190
----- farms, 1982--	75	96	282	484	25	250	286	246
acres on which used, 1987--	245	3 079	6 406	45 967	1 349	57 877	20 517	9 432
----- 1982--	773	8 089	15 435	57 023	2 702	67 050	20 209	16 196
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	15	10	15	84	2	106	27	25
----- farms, 1982--	29	7	25	179	6	113	36	54
acres on which used, 1987--	86	87	238	4 476	(D)	8 996	518	6 107
----- 1982--	109	151	395	7 654	71	15 102	1 236	1 770

Chemicals used	Pamlico	Pasquotank	Pender	Perquimans	Person	Pitt	Polk	Randolph
	Commercial fertilizer ----- farms, 1987--	67	197	316	233	486	639	145
----- farms, 1982--	113	228	420	265	697	936	166	961
acres on which used, 1987--	25 832	56 798	21 449	48 860	23 961	100 132	6 002	37 151
----- 1982--	25 088	55 461	39 381	55 046	31 974	126 965	8 832	42 114
Cropland fertilized, except pastureland ----- farms, 1987--	67	191	313	233	453	631	93	643
----- farms, 1982--	113	228	420	260	674	924	141	842
acres on which used, 1987--	25 583	56 450	21 283	47 301	18 639	98 415	3 064	27 774
----- 1982--	25 038	55 296	39 131	54 851	29 202	124 507	5 956	35 058
Pastureland and rangeland fertilized ----- farms, 1987--	3	24	7	40	81	30	83	322
----- farms, 1982--	8	7	28	15	98	55	75	256
acres on which used, 1987--	49	348	166	1 559	5 322	1 717	2 938	9 377
----- 1982--	50	165	250	195	2 772	2 458	2 876	7 056
Lime ----- farms, 1987--	30	103	28	91	74	143	71	243
----- farms, 1982--	35	76	44	94	178	236	68	318
acres on which used, 1987--	6 066	9 668	2 318	5 521	3 243	10 261	2 251	6 907
----- 1982--	4 642	4 789	2 418	9 911	3 699	17 102	2 024	8 612
tons, 1987--	5 342	10 543	2 517	4 716	4 025	7 109	2 578	10 564
----- 1982--	3 923	10 694	3 994	8 179	3 998	13 134	2 677	12 489
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1987--	55	170	212	181	288	500	47	186
----- farms, 1982--	79	157	233	221	415	596	50	248
acres on which used, 1987--	16 697	40 391	12 128	27 950	7 344	56 590	834	3 488
----- 1982--	16 583	37 198	22 210	40 328	11 246	50 337	1 454	4 394
Nematodes in crops ----- farms, 1987--	10	21	69	63	113	299	1	24
----- farms, 1982--	16	39	90	58	285	565	(D)	105
acres on which used, 1987--	917	3 209	4 766	3 884	2 409	15 055	(D)	256
----- 1982--	1 867	6 929	5 607	12 057	4 771	21 231	656	841
Diseases in crops and orchards ----- farms, 1987--	12	21	39	60	36	165	37	41
----- farms, 1982--	22	16	49	58	90	193	34	32
acres on which used, 1987--	1 174	1 049	1 543	2 558	953	8 364	350	214
----- 1982--	2 377	2 773	1 154	3 853	1 330	14 779	968	508
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	59	164	221	185	132	445	55	357
----- farms, 1982--	79	182	286	226	308	622	60	490
acres on which used, 1987--	22 815	55 474	15 800	37 445	10 105	78 609	1 154	17 578
----- 1982--	21 613	49 033	32 315	45 600	19 020	95 024	2 940	21 673
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	10	14	7	27	28	36	37	14
----- farms, 1982--	7	7	31	26	75	162	8	56
acres on which used, 1987--	233	713	32	1 229	391	2 720	615	379
----- 1982--	209	407	727	1 026	797	8 429	35	1 941

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	Richmond	Robeson	Rockingham	Rowan	Rutherford	Sampson	Scotland	Stanly
Commercial fertilizer ----- farms, 1987..	142	1 312	915	595	378	1 263	97	374
----- farms, 1982..	192	1 673	1 158	759	455	1 420	120	503
acres on which used, 1987..	11 103	141 640	28 546	38 796	14 994	121 403	32 500	43 378
----- farms, 1982..	22 395	173 592	27 462	61 832	19 707	127 283	39 542	72 306
Cropland fertilized, except pastureland ----- farms, 1987..	131	1 306	884	450	246	1 221	96	279
----- farms, 1982..	169	1 665	1 129	670	333	1 396	116	422
acres on which used, 1987..	9 645	140 445	24 653	26 447	8 717	119 443	31 956	39 369
----- farms, 1982..	18 791	172 633	24 243	51 386	11 046	124 944	39 303	66 517
Pastureland and rangeland fertilized ----- farms, 1987..	29	54	205	395	194	111	9	141
----- farms, 1982..	60	72	200	319	221	102	12	196
acres on which used, 1987..	1 458	1 195	3 893	12 349	6 277	1 960	544	4 009
----- farms, 1982..	3 604	959	3 219	10 446	8 661	2 339	239	5 789
Lime ----- farms, 1987..	44	339	188	260	138	215	31	151
----- farms, 1982..	80	527	266	311	146	375	31	254
acres on which used, 1987..	2 120	23 471	3 192	6 069	3 088	14 083	11 383	8 375
----- farms, 1982..	3 546	30 880	4 365	12 404	2 219	15 720	3 802	20 340
tons, 1987..	2 588	19 840	4 455	8 973	4 506	14 513	8 872	8 354
----- farms, 1982..	4 777	27 512	5 558	17 191	3 436	16 005	2 995	24 861
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	63	964	582	139	39	886	64	106
----- farms, 1982..	94	1 108	581	104	47	1 004	70	49
acres on which used, 1987..	2 976	72 148	7 295	4 203	984	61 529	16 310	6 898
----- farms, 1982..	7 479	97 291	7 970	5 699	1 194	67 000	30 218	3 771
Nematodes in crops ----- farms, 1987..	8	529	267	10	1	410	19	13
----- farms, 1982..	77	650	447	11	7	551	30	2
acres on which used, 1987..	517	23 553	4 137	227	(D)	20 527	1 869	1 195
----- farms, 1982..	2 041	31 273	5 339	774	140	24 655	5 419	(D)
Diseases in crops and orchards ----- farms, 1987..	19	171	111	50	28	210	6	9
----- farms, 1982..	12	229	158	10	7	239	10	1
acres on which used, 1987..	(D)	7 694	1 131	512	332	10 256	657	48
----- farms, 1982..	1 745	11 151	1 762	983	7	12 248	911	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	79	798	366	163	110	769	67	204
----- farms, 1982..	92	756	468	297	119	879	69	318
acres on which used, 1987..	4 963	91 592	14 427	12 147	2 820	69 374	21 319	25 607
----- farms, 1982..	6 317	107 517	11 771	33 866	3 771	90 293	29 641	66 489
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	2	108	62	8	7	155	34	3
----- farms, 1982..	9	106	155	8	2	101	30	40
acres on which used, 1987..	(D)	8 626	601	32	(D)	6 671	7 307	127
----- farms, 1982..	172	6 659	1 440	641	(D)	4 571	9 893	3 014

Chemicals used	Stokes	Surry	Swain	Transylvania	Tyrrell	Union	Vance	Wake
Commercial fertilizer ----- farms, 1987..	997	1 088	63	149	94	556	327	810
----- farms, 1982..	1 444	1 301	66	172	108	787	459	1 024
acres on which used, 1987..	15 721	35 287	1 024	4 599	39 724	86 239	10 149	33 774
----- farms, 1982..	20 599	39 679	889	5 672	40 683	137 059	15 283	50 006
Cropland fertilized, except pastureland ----- farms, 1987..	963	1 004	51	120	94	470	321	729
----- farms, 1982..	1 416	1 220	59	132	108	672	445	946
acres on which used, 1987..	10 858	26 025	628	3 159	39 596	82 692	9 117	28 815
----- farms, 1982..	15 922	32 153	561	3 062	40 551	130 621	13 032	42 226
Pastureland and rangeland fertilized ----- farms, 1987..	214	287	23	71	13	158	32	123
----- farms, 1982..	247	319	19	115	4	228	52	191
acres on which used, 1987..	4 863	9 262	396	1 440	128	3 547	1 032	4 959
----- farms, 1982..	4 677	7 526	328	2 610	132	6 438	2 251	7 780
Lime ----- farms, 1987..	224	288	16	76	44	164	69	230
----- farms, 1982..	323	338	26	84	27	218	93	276
acres on which used, 1987..	2 368	7 160	155	1 629	7 016	11 488	1 638	7 414
----- farms, 1982..	4 819	6 209	192	2 860	3 368	14 939	2 486	10 368
tons, 1987..	3 560	11 608	222	2 488	7 295	12 230	1 617	6 292
----- farms, 1982..	5 825	8 655	(D)	3 525	3 233	21 996	3 536	9 694
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	559	475	24	62	67	72	191	511
----- farms, 1982..	793	663	24	37	70	81	268	546
acres on which used, 1987..	4 448	7 353	244	510	23 063	7 118	4 009	14 459
----- farms, 1982..	5 080	13 480	(D)	1 572	22 141	7 605	4 211	17 314
Nematodes in crops ----- farms, 1987..	356	253	3	1	7	2	83	320
----- farms, 1982..	555	349	2	-	7	19	225	436
acres on which used, 1987..	2 507	4 843	(D)	(D)	2 084	(D)	2 045	8 503
----- farms, 1982..	3 323	4 859	(D)	-	2 818	762	4 270	11 311
Diseases in crops and orchards ----- farms, 1987..	111	78	14	33	9	29	55	170
----- farms, 1982..	315	139	8	20	5	24	137	180
acres on which used, 1987..	634	1 392	84	601	509	578	1 238	3 933
----- farms, 1982..	2 015	2 757	41	69	991	870	2 192	4 968
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	393	443	20	74	85	343	140	420
----- farms, 1982..	566	469	33	70	85	579	257	454
acres on which used, 1987..	4 172	12 862	267	1 100	40 030	82 018	5 943	17 954
----- farms, 1982..	7 465	19 692	397	2 261	33 958	115 798	11 932	24 133
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	46	52	2	2	4	3	22	84
----- farms, 1982..	129	152	4	3	7	18	82	99
acres on which used, 1987..	264	1 437	(D)	(D)	(D)	(D)	632	1 592
----- farms, 1982..	560	1 125	11	3	1 387	1 713	1 050	3 046

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	Warren	Washington	Watauga	Wayne	Wilkes	Wilson	Yadkin	Yancey
Commercial fertilizer ----- farms, 1987..	243	219	654	881	534	593	816	659
1982..	408	254	690	1 121	615	810	1 105	747
acres on which used, 1987..	16 115	63 437	6 661	89 146	17 189	67 849	38 305	5 052
1982..	16 763	71 616	6 890	112 711	14 540	70 707	43 623	4 669
Cropland fertilized, except pastureland ----- farms, 1987..	232	217	600	879	468	587	709	640
1982..	399	254	633	1 112	498	809	1 037	728
acres on which used, 1987..	12 740	62 830	3 140	86 689	13 531	67 565	31 321	3 454
1982..	13 346	70 786	3 739	110 791	10 586	70 414	37 019	3 192
Pastureland and rangeland fertilized ----- farms, 1987..	70	8	153	85	163	21	286	95
1982..	53	33	174	99	222	23	331	140
acres on which used, 1987..	3 375	607	3 521	2 457	3 658	284	6 984	1 598
1982..	3 417	830	3 151	1 920	3 954	293	6 604	1 477
Lime ----- farms, 1987..	60	105	126	197	115	115	238	140
1982..	87	104	154	347	159	254	394	234
acres on which used, 1987..	1 918	12 415	1 024	15 450	2 648	7 669	7 622	908
1982..	4 640	11 380	1 063	18 705	2 757	10 816	11 542	1 254
tons, 1987..	2 438	11 797	1 678	20 533	3 478	5 635	10 528	1 063
1982..	3 210	11 541	1 491	14 175	4 154	7 360	15 024	2 341
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	160	151	200	595	170	460	296	351
1982..	211	181	171	881	165	629	506	180
acres on which used, 1987..	4 292	31 553	714	42 291	4 324	35 210	7 901	831
1982..	3 957	42 032	543	44 550	2 776	32 342	13 104	622
Nematodes in crops ----- farms, 1987..	105	23	1	435	38	336	171	15
1982..	145	24	14	582	64	515	334	35
acres on which used, 1987..	2 458	2 205	(D)	18 623	1 785	12 939	2 800	57
1982..	2 483	3 433	36	31 906	2 011	18 110	5 954	139
Diseases in crops and orchards ----- farms, 1987..	29	27	169	155	65	105	68	182
1982..	15	46	190	163	57	184	50	160
acres on which used, 1987..	697	1 859	688	6 060	1 600	3 578	760	389
1982..	814	2 257	341	5 919	777	7 493	1 122	424
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	146	165	205	591	297	397	384	180
1982..	201	239	161	762	183	586	419	174
acres on which used, 1987..	7 094	57 758	2 910	60 363	10 879	46 657	21 928	1 397
1982..	12 346	75 584	639	81 770	6 013	58 887	18 103	802
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	15	20	34	134	35	80	48	62
1982..	41	2	67	133	51	118	79	30
acres on which used, 1987..	242	1 345	103	2 220	923	3 211	530	139
1982..	765	(D)	242	2 150	297	2 730	2 110	126