

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

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

Chemicals used	North Carolina	Alamance	Alexander	Alleghany	Anson	Ashe	Avery
	Commercial fertilizer ..... farms, 1997..	36 171	538	378	440	202	819
..... 1992..	40 317	568	324	430	152	834	252
acres on which used, 1997..	3 670 634	27 302	19 333	17 092	27 569	15 138	7 387
..... 1992..	3 741 135	33 541	14 492	19 790	23 924	11 215	4 774
Cropland fertilized, except pastureland ..... farms, 1997..	30 179	442	212	345	142	744	363
..... 1992..	35 765	443	227	373	137	720	241
acres on which used, 1997..	3 291 208	20 646	8 658	10 220	21 370	10 879	7 094
..... 1992..	3 386 240	23 268	9 448	10 531	21 141	5 318	3 908
Pastureland and rangeland fertilized..... farms, 1997..	11 914	192	206	180	84	206	22
..... 1992..	10 951	289	133	203	60	273	31
acres on which used, 1997..	379 426	6 656	10 675	6 872	6 199	4 259	293
..... 1992..	354 895	10 273	5 044	9 259	2 783	5 897	866
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ..... farms, 1997..	14 391	118	58	119	38	299	272
..... 1992..	18 367	185	67	65	38	227	130
acres on which used, 1997..	1 819 373	2 463	2 086	3 853	5 684	4 783	4 974
..... 1992..	1 531 775	4 078	2 459	2 130	2 728	1 112	2 208
Nematodes in crops ..... farms, 1997..	5 606	23	2	33	2	31	7
..... 1992..	7 805	36	18	19	3	28	13
acres on which used, 1997..	424 873	661	(D)	626	(D)	294	56
..... 1992..	445 562	926	271	100	(D)	87	31
Diseases in crops and orchards..... farms, 1997..	5 525	19	11	57	21	166	111
..... 1992..	6 379	39	38	90	4	189	69
acres on which used, 1997..	361 169	560	838	568	174	1 261	1 047
..... 1992..	317 908	874	922	586	(D)	634	776
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	16 194	232	104	128	102	310	261
..... 1992..	18 064	156	109	133	97	184	109
acres on which used, 1997..	2 458 604	10 730	4 393	6 049	16 481	4 928	5 097
..... 1992..	2 493 561	14 688	4 238	5 587	20 044	1 711	1 460
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	2 629	1	20	8	3	19	11
..... 1992..	3 702	36	13	22	12	58	31
acres on which used, 1997..	507 568	(D)	477	21	(D)	(D)	128
..... 1992..	329 505	313	273	227	209	156	424
Chemicals used							
	Beaufort	Bertie	Bladen	Brunswick	Buncombe	Burke	Cabarrus
Commercial fertilizer ..... farms, 1997..	329	275	426	166	779	287	344
..... 1992..	396	379	496	167	886	259	323
acres on which used, 1997..	115 933	69 970	50 867	14 400	18 658	5 615	20 583
..... 1992..	102 977	70 983	49 895	14 961	24 437	7 408	22 257
Cropland fertilized, except pastureland ..... farms, 1997..	318	275	401	156	645	205	200
..... 1992..	389	379	476	156	758	235	253
acres on which used, 1997..	115 478	69 580	50 083	13 994	10 357	3 268	13 309
..... 1992..	102 292	70 320	48 598	14 531	12 444	5 509	13 055
Pastureland and rangeland fertilized..... farms, 1997..	29	11	43	30	444	124	213
..... 1992..	8	14	59	16	312	83	174
acres on which used, 1997..	455	390	784	406	8 301	2 347	7 274
..... 1992..	685	663	1 297	430	11 993	1 899	9 202
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ..... farms, 1997..	238	253	199	73	128	56	5
..... 1992..	234	319	274	74	188	103	59
acres on which used, 1997..	71 322	56 089	26 947	6 377	2 558	778	79
..... 1992..	37 424	45 382	22 575	11 036	2 336	1 769	1 503
Nematodes in crops ..... farms, 1997..	70	97	95	13	31	—	—
..... 1992..	69	134	136	12	21	1	1
acres on which used, 1997..	8 725	6 136	5 865	993	325	—	—
..... 1992..	3 970	11 303	6 261	2 400	572	(D)	(D)
Diseases in crops and orchards..... farms, 1997..	45	85	106	31	153	50	3
..... 1992..	44	159	100	22	109	66	20
acres on which used, 1997..	10 003	11 587	5 162	545	748	361	(D)
..... 1992..	2 810	12 600	4 754	1 803	899	867	90
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	288	222	264	83	168	84	61
..... 1992..	295	278	300	93	217	137	67
acres on which used, 1997..	104 550	61 306	35 728	6 547	3 767	2 410	5 965
..... 1992..	97 326	59 523	39 192	11 040	2 811	3 743	5 731
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	29	50	32	14	14	8	8
..... 1992..	42	49	43	5	44	3	8
acres on which used, 1997..	7 849	19 226	5 292	2 305	33	162	160
..... 1992..	5 294	9 890	3 208	47	676	(D)	40

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

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

Chemicals used	Caldwell							Camden							Carteret							Caswell							Catawba							Chatham							Cherokee						
	1997..		1992..		1997..		1992..		1997..		1992..		1997..		1992..		1997..		1992..		1997..		1992..		1997..		1992..		1997..		1992..																		
Commercial fertilizer .....	farms,	231	237	58	74	78	84	481	527	429	392	479	416	170	199	192..	10 839	42 520	43 720	22 390	28 163	17 234	5 168	17 052	18 062	9 074	192..	5 710	35 601	40 437	17 518	30 052	18 062	9 074															
	acres on which used,	181	179	55	74	72	84	442	498	233	267	274	108	135	192..	7 470	42 480	43 406	16 276	18 350	18 350	8 193	2 529	18 384	9 482	4 865	192..	3 643	35 461	(D)	13 023	18 384	9 482	4 865															
Cropland fertilized, except pastureland .....	farms,	130	92	5	5	8	2	192	125	287	252	252	110	72	110	192..	3 369	40	314	6 114	9 813	9 041	2 639	8 580	8 580	4 209	192..	2 067	140	(D)	4 495	11 668	8 580	4 209															
	acres on which used,	50	89	33	35	44	44	237	330	44	41	70	19	49	258	192..	1 838	28 176	(D)	5 247	1 438	1 780	258	2 271	1 019	192..	1 504	14 956	29 213	5 014	1 815	2 271	1 019	1 019															
Nematodes in crops .....	farms,	7	4	1	3	26	15	44	71	6	4	2	5	1	5	192..	114	(D)	1 870	807	12	(D)	536	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)														
	acres on which used,	28	41	4	4	21	22	61	36	25	17	30	10	63	31	192..	588	1 144	714	1 542	1 063	478	63	378	378	41	83	728	3 390	3 897	11 893	6 225	6 225	3 390	3 390														
Diseases in crops and orchards.....	farms,	119	96	46	68	56	64	185	169	105	122	213	83	41	83	192..	4 553	42 195	41 169	6 060	14 392	8 291	728	6 225	6 225	3 390	192..	1 612	34 182	40 246	3 897	11 893	6 225	3 390	3 390														
Weeds, grass, or brush in crops and pasture .....	farms,	7	13	4	2	11	7	20	46	13	1	9	7	7	7	192..	7	1 116	572	284	49	135	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)														
	acres on which used,	33	33	(D)	(D)	331	331	744	744	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)													

  

Chemicals used	Chowan		Clay		Cleveland		Columbus		Craven		Cumberland		Currituck		Dare																					
	1997..		1992..		1997..		1992..		1997..		1992..		1997..		1992..																					
Commercial fertilizer .....	farms,	124	167	121	131	578	509	765	971	209	259	295	337	68	77	192..	32 174	3 779	29 516	69 946	46 309	36 508	29 850	3 474	3 474	(D)	192..	34 636	3 457	29 816	82 391	46 508	45 465	27 817	27 817	
	acres on which used,	124	147	75	104	402	360	721	936	209	255	258	294	64	3	192..	31 768	1 284	18 264	68 136	46 142	33 348	29 786	3 474	(D)	192..	34 196	1 897	19 964	80 343	45 952	42 084	27 757	27 757		
Pastureland and rangeland fertilized.....	farms,	16	25	78	56	293	227	105	112	9	13	85	62	5	4	192..	406	2 495	11 252	1 810	167	3 160	64	60	60	60	192..	440	1 560	9 852	2 048	556	3 381	60	60	
	acres on which used,	100	116	39	35	62	95	421	593	145	122	116	52	4	1	192..	22 163	344	3 303	28 646	32 134	13 315	18 027	(D)	(D)	192..	20 648	(D)	3 780	31 681	21 526	20 849	10 641	10 641	(D)	
Nematodes in crops .....	farms,	40	53	8	5	2	7	295	414	77	90	20	8	3	1	192..	4 390	89	(D)	16 591	8 949	1 886	(D)	173	(D)	(D)	192..	6 722	20	560	11 903	6 443	7 114	173	173	(D)
	acres on which used,	57	69	17	17	40	25	137	240	53	35	13	17	1	1	192..	4 910	28	1 659	5 479	5 377	1 032	5 808	(D)	(D)	192..	5 935	128	1 016	7 288	2 208	6 955	6 955	935	935	(D)
Weeds, grass, or brush in crops and pasture .....	farms,	91	115	32	35	139	128	486	511	121	130	41	5	3	5	192..	26 789	527	6 483	50 465	34 205	25 674	24 373	(D)	(D)	192..	28 968	707	13 846	48 590	35 138	33 604	30 827	30 827	3 520	3 520
	acres on which used,	49	83	14	9	4	27	55	92	20	30	2	2	2	2	192..	8 684	175	1 846	3 083	9 981	1 908	(D)	(D)	(D)	192..	10 682	22	3 807	2 900	7 349	2 470	2 470	2 470	(D)	(D)

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

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

Chemicals used	Davidson	Davie	Duplin	Durham	Edgecombe	Forsyth	Franklin	Gaston
	Commercial fertilizer ..... farms, 1997..	733	423	809	106	250	527	302
..... farms, 1992..	698	425	990	132	281	500	434	245
acres on which used, 1997..	27 127	23 153	106 413	5 542	93 699	16 641	31 591	11 156
..... farms, 1992..	28 205	23 964	123 189	5 897	90 346	18 174	29 598	11 197
Cropland fertilized, except pastureland ..... farms, 1997..	595	284	763	79	244	391	271	155
..... farms, 1992..	609	310	967	126	248	425	390	169
acres on which used, 1997..	20 076	12 705	104 361	3 156	92 764	11 029	27 933	7 089
..... farms, 1992..	22 585	13 927	121 683	4 834	88 280	13 157	26 530	6 813
Pastureland and rangeland fertilized..... farms, 1997..	332	257	93	51	18	192	85	173
..... farms, 1992..	255	230	60	38	83	163	74	125
acres on which used, 1997..	7 051	10 448	2 052	2 386	935	5 612	3 658	4 067
..... farms, 1992..	5 620	10 037	1 506	1 063	2 066	5 017	3 068	4 384
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	132	50	479	38	202	107	158	16
..... farms, 1992..	188	90	549	74	187	216	259	18
acres on which used, 1997..	2 131	3 557	64 132	1 228	56 352	2 393	7 836	604
..... farms, 1992..	3 225	3 062	63 765	2 086	45 038	3 436	8 490	383
Nematodes in crops ..... farms, 1997..	17	10	248	14	126	23	75	—
..... farms, 1992..	40	11	315	22	127	34	97	2
acres on which used, 1997..	238	102	19 515	495	11 317	371	3 926	—
..... farms, 1992..	1 470	231	20 784	857	11 347	561	4 434	(D)
Diseases in crops and orchards..... farms, 1997..	76	8	158	13	71	29	60	—
..... farms, 1992..	16	22	92	11	85	16	54	11
acres on which used, 1997..	442	16	12 880	468	14 491	247	3 382	—
..... farms, 1992..	166	290	11 640	377	12 673	173	2 949	23
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	185	91	436	37	178	165	142	63
..... farms, 1992..	178	98	590	42	210	96	235	38
acres on which used, 1997..	10 293	6 781	70 327	1 772	64 143	3 684	18 280	4 978
..... farms, 1992..	9 152	6 156	90 711	1 547	69 223	5 754	18 949	3 051
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	17	1	85	3	88	13	12	1
..... farms, 1992..	26	2	73	9	84	19	15	8
acres on which used, 1997..	587	(D)	7 002	254	27 711	434	1 495	(D)
..... farms, 1992..	1 094	(D)	8 876	288	17 731	210	492	157
Chemicals used	Gates	Graham	Granville	Greene	Guilford	Halifax	Harnett	Haywood
Commercial fertilizer ..... farms, 1997..	114	86	474	263	694	230	458	575
..... farms, 1992..	173	121	640	348	799	243	624	700
acres on which used, 1997..	42 665	1 484	20 411	57 397	31 904	95 979	43 498	13 664
..... farms, 1992..	42 694	1 380	22 236	78 713	41 148	97 204	53 137	12 447
Cropland fertilized, except pastureland ..... farms, 1997..	111	62	440	246	573	207	372	478
..... farms, 1992..	158	115	588	346	671	224	552	623
acres on which used, 1997..	42 176	459	16 296	56 889	23 993	90 814	39 845	7 045
..... farms, 1992..	40 502	647	17 909	78 397	30 829	92 554	48 079	7 341
Pastureland and rangeland fertilized..... farms, 1997..	11	46	95	22	287	41	160	253
..... farms, 1992..	33	31	137	21	362	45	177	254
acres on which used, 1997..	489	1 025	4 115	508	7 911	5 165	3 653	6 619
..... farms, 1992..	2 192	733	4 327	316	10 319	4 650	5 058	5 106
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	100	17	251	158	204	168	197	132
..... farms, 1992..	144	66	304	273	359	177	351	258
acres on which used, 1997..	33 234	46	8 893	36 384	6 066	71 161	19 631	1 454
..... farms, 1992..	26 975	139	7 463	35 417	7 784	63 647	25 198	2 007
Nematodes in crops ..... farms, 1997..	39	8	87	147	57	44	96	45
..... farms, 1992..	29	5	75	202	62	56	273	32
acres on which used, 1997..	3 677	13	2 463	12 212	1 489	9 566	11 470	627
..... farms, 1992..	5 253	14	1 646	18 503	1 696	13 247	12 414	107
Diseases in crops and orchards..... farms, 1997..	66	10	71	70	32	81	38	76
..... farms, 1992..	94	34	29	98	70	67	114	203
acres on which used, 1997..	10 172	10	2 490	9 945	702	14 535	3 463	371
..... farms, 1992..	7 028	74	778	8 109	1 380	17 803	4 599	983
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	95	18	112	164	229	158	217	210
..... farms, 1992..	129	25	99	255	240	144	276	265
acres on which used, 1997..	37 386	(D)	6 774	43 388	13 002	73 373	27 822	3 890
..... farms, 1992..	36 365	38	5 003	56 680	13 714	72 440	25 775	3 551
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	48	—	26	59	30	108	17	2
..... farms, 1992..	62	10	49	89	48	117	83	55
acres on which used, 1997..	16 651	—	739	11 242	530	42 050	4 943	(D)
..... farms, 1992..	7 530	29	1 134	7 547	1 423	33 221	8 178	483

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Chemicals used	Henderson	Hertford	Hoke	Hyde	Iredell	Jackson	Johnston	Jones
	Commercial fertilizer ..... farms, 1997..	400	137	121	87	796	160	949
..... 1992..	426	160	125	125	713	149	1 232	150
acres on which used, 1997..	19 403	43 899	31 978	61 988	65 545	3 919	88 992	39 207
..... 1992..	21 804	31 200	36 041	61 871	52 848	2 783	114 527	39 689
Cropland fertilized, except pastureland ..... farms, 1997..	361	134	106	85	612	135	860	122
..... 1992..	402	160	116	122	519	124	1 127	148
acres on which used, 1997..	16 938	43 871	31 645	61 942	43 112	3 269	84 194	38 659
..... 1992..	18 819	31 200	35 196	61 796	38 917	1 497	106 076	38 547
Pastureland and rangeland fertilized..... farms, 1997..	96	5	22	5	490	54	201	14
..... 1992..	64	—	25	8	385	75	263	32
acres on which used, 1997..	2 465	28	333	46	22 433	650	4 798	548
..... 1992..	2 985	—	845	75	13 931	1 286	8 451	1 142
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	229	121	75	68	165	54	500	68
..... 1992..	294	112	85	81	156	45	724	104
acres on which used, 1997..	12 003	30 892	21 046	44 890	9 364	2 156	40 739	26 782
..... 1992..	14 656	16 654	15 871	34 526	11 299	433	37 680	24 610
Nematodes in crops ..... farms, 1997..	23	42	25	8	14	6	339	46
..... 1992..	22	58	24	5	14	7	458	62
acres on which used, 1997..	839	3 585	9 418	4 780	460	76	19 527	9 047
..... 1992..	1 218	5 096	4 842	2 105	1 116	36	22 076	7 233
Diseases in crops and orchards..... farms, 1997..	204	61	21	18	34	34	177	15
..... 1992..	253	54	22	14	24	25	173	41
acres on which used, 1997..	8 636	11 254	6 886	3 526	763	949	14 870	11 658
..... 1992..	9 226	6 819	4 840	4 498	394	216	9 430	5 252
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	196	96	65	75	321	93	490	69
..... 1992..	261	110	82	98	156	56	667	101
acres on which used, 1997..	10 359	31 905	19 692	57 214	23 828	2 403	61 837	26 871
..... 1992..	15 822	27 914	25 654	65 283	17 386	548	65 608	26 962
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	76	37	25	9	1	8	65	37
..... 1992..	99	32	29	4	24	1	97	36
acres on which used, 1997..	1 897	11 661	14 409	3 688	(D)	221	9 570	16 475
..... 1992..	2 879	3 412	8 568	569	1 023	(D)	7 553	8 603
Chemicals used								
	Lee	Lenoir	Lincoln	McDowell	Macon	Madison	Martin	Mecklenburg
Commercial fertilizer ..... farms, 1997..	193	368	353	154	238	792	347	198
..... 1992..	207	459	366	135	238	1 083	426	206
acres on which used, 1997..	9 947	90 568	21 961	4 098	6 630	10 334	60 214	10 755
..... 1992..	9 630	91 181	21 491	4 427	4 440	8 732	70 768	11 103
Cropland fertilized, except pastureland ..... farms, 1997..	150	355	255	97	181	719	339	136
..... 1992..	180	452	222	97	214	1 048	413	160
acres on which used, 1997..	8 764	88 171	13 693	2 555	3 319	4 891	59 690	6 361
..... 1992..	7 453	90 790	16 211	2 756	2 922	4 816	69 493	7 716
Pastureland and rangeland fertilized..... farms, 1997..	62	83	196	79	157	222	13	91
..... 1992..	78	20	204	61	95	140	46	117
acres on which used, 1997..	1 183	2 397	8 268	1 543	3 311	5 443	524	4 394
..... 1992..	2 177	391	5 280	1 671	1 518	3 916	1 275	3 387
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	83	225	54	38	48	350	285	35
..... 1992..	92	322	49	29	50	461	341	44
acres on which used, 1997..	4 964	57 721	2 429	831	475	2 046	52 595	1 022
..... 1992..	2 650	48 629	1 632	448	1 122	1 605	46 719	1 026
Nematodes in crops ..... farms, 1997..	69	130	1	4	10	99	144	5
..... 1992..	86	237	8	1	6	79	188	3
acres on which used, 1997..	3 556	19 036	(D)	(D)	233	945	12 911	500
..... 1992..	1 886	22 393	175	(D)	21	245	14 870	234
Diseases in crops and orchards..... farms, 1997..	13	63	23	17	14	331	92	4
..... 1992..	27	106	14	13	21	262	183	15
acres on which used, 1997..	745	6 518	499	469	39	1 552	9 922	225
..... 1992..	948	10 420	302	232	691	723	12 318	105
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	51	218	113	60	62	283	229	73
..... 1992..	97	295	144	41	55	326	305	34
acres on which used, 1997..	7 127	61 732	8 175	1 899	1 004	1 566	45 659	6 037
..... 1992..	3 799	64 430	10 811	911	410	2 675	55 806	3 371
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	14	63	1	7	5	44	150	2
..... 1992..	22	91	5	1	—	85	80	3
acres on which used, 1997..	1 469	17 515	(D)	180	50	177	23 125	(D)
..... 1992..	651	11 838	414	(D)	—	256	8 165	(D)

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

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

Chemicals used	Mitchell	Montgomery	Moore	Nash	New Hanover	Northampton	Onslow	Orange
	Commercial fertilizer ..... farms, 1997..	246	156	387	318	36	304	259
..... 1992..	276	145	457	422	49	314	366	285
acres on which used, 1997..	2 560	6 383	17 503	80 093	3 389	89 040	28 460	20 152
..... 1992..	3 475	6 238	12 851	77 599	(D)	70 731	35 256	26 012
Cropland fertilized, except pastureland ..... farms, 1997..	220	123	319	310	35	296	240	255
..... 1992..	253	114	410	390	47	314	322	245
acres on which used, 1997..	1 690	4 141	14 866	78 079	3 342	88 160	27 551	12 288
..... 1992..	1 999	5 063	10 740	73 810	(D)	70 113	34 208	20 177
Pastureland and rangeland fertilized..... farms, 1997..	54	42	149	35	3	26	57	194
..... 1992..	80	50	104	76	2	11	69	121
acres on which used, 1997..	870	2 242	2 637	2 014	47	880	909	7 864
..... 1992..	1 476	1 175	2 111	3 789	(D)	618	1 048	5 835
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	99	28	187	244	23	250	136	68
..... 1992..	127	45	199	271	28	268	194	105
acres on which used, 1997..	779	748	6 311	58 834	(D)	66 928	13 438	1 925
..... 1992..	505	1 552	4 358	43 762	1 181	56 441	14 081	4 312
Nematodes in crops ..... farms, 1997..	21	2	95	128	1	93	80	28
..... 1992..	25	16	83	167	5	100	124	57
acres on which used, 1997..	80	(D)	3 794	16 360	(D)	13 142	6 639	566
..... 1992..	68	541	2 520	14 439	38	13 849	5 701	1 457
Diseases in crops and orchards..... farms, 1997..	73	15	68	83	5	127	43	24
..... 1992..	71	31	68	95	14	134	42	45
acres on which used, 1997..	195	327	1 980	9 178	(D)	20 083	2 355	293
..... 1992..	353	2 018	1 388	5 113	79	19 121	1 562	686
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	140	43	185	177	21	235	161	116
..... 1992..	80	81	250	264	22	256	232	118
acres on which used, 1997..	1 385	2 062	9 668	64 601	2 159	65 994	22 005	8 787
..... 1992..	631	4 563	7 568	56 275	440	61 584	26 383	9 238
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	27	2	8	77	3	144	25	1
..... 1992..	35	13	31	75	—	161	25	11
acres on which used, 1997..	61	(D)	741	21 959	4	37 211	3 097	(D)
..... 1992..	133	173	853	12 730	—	24 067	1 489	278
Chemicals used	Pamlico	Pasquotank	Pender	Perquimans	Person	Pitt	Polk	Randolph
Commercial fertilizer ..... farms, 1997..	52	141	209	174	313	370	128	699
..... 1992..	67	164	283	199	419	496	126	784
acres on which used, 1997..	37 541	63 523	25 823	58 212	33 284	113 616	5 659	33 808
..... 1992..	31 468	61 194	30 192	51 923	25 970	109 321	5 039	41 095
Cropland fertilized, except pastureland ..... farms, 1997..	47	141	174	171	274	315	82	450
..... 1992..	63	163	241	198	406	480	93	585
acres on which used, 1997..	37 340	63 515	25 274	57 935	25 405	111 917	3 033	22 528
..... 1992..	31 395	61 074	29 375	51 631	22 103	108 227	3 227	29 203
Pastureland and rangeland fertilized..... farms, 1997..	7	4	52	11	96	79	75	388
..... 1992..	6	5	47	19	87	56	61	358
acres on which used, 1997..	201	8	549	277	7 879	1 699	2 626	11 280
..... 1992..	73	120	817	292	3 867	1 094	1 812	11 892
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	33	112	108	137	175	260	13	106
..... 1992..	41	86	132	116	263	334	34	115
acres on which used, 1997..	26 912	35 507	14 688	36 795	7 253	65 089	240	3 441
..... 1992..	22 532	32 711	17 439	19 702	6 681	50 641	963	3 874
Nematodes in crops ..... farms, 1997..	10	10	40	47	44	184	—	32
..... 1992..	17	8	54	27	112	267	—	18
acres on which used, 1997..	1 152	982	1 597	2 509	1 287	23 116	—	661
..... 1992..	2 891	1 523	2 775	3 114	2 040	16 417	—	642
Diseases in crops and orchards..... farms, 1997..	17	18	36	52	36	105	17	6
..... 1992..	17	11	26	41	51	104	27	35
acres on which used, 1997..	4 082	2 860	2 938	5 634	2 043	15 042	390	605
..... 1992..	4 962	3 036	2 276	1 800	1 066	10 560	699	892
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	38	114	124	136	158	216	47	259
..... 1992..	51	134	174	145	177	304	40	271
acres on which used, 1997..	32 093	42 506	18 033	50 791	15 520	78 577	1 861	16 430
..... 1992..	31 906	58 516	22 252	49 706	9 273	77 839	1 246	15 846
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	9	16	4	66	18	73	—	22
..... 1992..	12	18	13	47	38	117	2	17
acres on which used, 1997..	4 064	2 185	960	9 668	673	22 674	—	486
..... 1992..	1 530	2 158	477	4 844	463	11 782	(D)	424

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

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

Chemicals used	Richmond	Robeson	Rockingham	Rowan	Rutherford	Sampson	Scotland	Stanly
	Commercial fertilizer ..... farms, 1997..	140	863	683	628	331	882	82
..... 1992..	128	1 035	767	518	323	1 090	102	356
acres on which used, 1997..	12 216	166 372	23 521	45 223	11 063	139 966	25 839	44 102
..... 1992..	21 534	175 804	26 585	39 112	10 808	140 523	38 105	44 679
Cropland fertilized, except pastureland ..... farms, 1997..	136	802	622	438	201	850	73	209
..... 1992..	120	1 029	696	401	201	1 072	91	253
acres on which used, 1997..	10 822	164 422	18 512	30 097	4 886	135 161	25 147	34 023
..... 1992..	21 004	174 511	21 892	27 615	3 810	138 816	37 766	37 509
Pastureland and rangeland fertilized..... farms, 1997..	34	99	187	328	180	94	18	248
..... 1992..	21	84	224	308	213	111	13	180
acres on which used, 1997..	1 394	1 950	5 009	15 126	6 177	4 805	692	10 079
..... 1992..	530	1 293	4 693	11 497	6 998	1 707	339	7 170
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	34	489	297	89	35	481	36	32
..... 1992..	67	643	363	82	46	664	55	77
acres on which used, 1997..	4 447	86 110	7 211	3 785	428	75 799	15 284	5 970
..... 1992..	5 428	67 383	7 721	3 248	580	78 589	13 861	3 170
Nematodes in crops ..... farms, 1997..	16	299	90	3	—	201	15	6
..... 1992..	28	348	218	4	1	388	19	13
acres on which used, 1997..	423	40 527	1 513	373	—	23 814	7 247	300
..... 1992..	1 799	30 404	3 416	(D)	(D)	21 760	3 705	486
Diseases in crops and orchards..... farms, 1997..	13	179	67	11	2	116	1	9
..... 1992..	21	180	77	18	14	171	3	27
acres on which used, 1997..	213	16 134	1 239	597	(D)	14 489	(D)	986
..... 1992..	824	11 252	1 747	460	20	13 555	1 028	946
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	86	553	189	189	71	560	44	145
..... 1992..	93	643	279	177	88	655	59	146
acres on which used, 1997..	5 879	132 116	6 785	13 725	1 410	99 414	17 269	22 757
..... 1992..	10 845	121 452	8 504	17 689	1 280	93 735	23 935	29 737
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	3	98	23	4	—	133	16	17
..... 1992..	9	112	34	10	—	127	34	2
acres on which used, 1997..	(D)	33 429	686	605	—	28 986	8 850	7 245
..... 1992..	186	10 662	570	271	—	23 132	10 229	(D)
Chemicals used	Stokes	Surry	Swain	Transylvania	Tyrrell	Union	Vance	Wake
Commercial fertilizer ..... farms, 1997..	813	936	48	129	65	533	187	601
..... 1992..	985	1 057	58	120	79	519	243	628
acres on which used, 1997..	15 498	36 178	884	3 833	42 656	72 895	10 282	30 998
..... 1992..	16 816	37 632	903	4 721	44 030	75 970	12 777	34 512
Cropland fertilized, except pastureland ..... farms, 1997..	717	776	36	104	60	374	164	518
..... 1992..	925	904	51	97	74	432	218	593
acres on which used, 1997..	11 443	25 748	472	1 698	42 478	64 906	8 610	26 758
..... 1992..	12 284	26 356	604	2 492	43 971	71 883	11 605	31 016
Pastureland and rangeland fertilized..... farms, 1997..	217	412	19	45	6	233	55	157
..... 1992..	223	386	15	66	6	121	51	115
acres on which used, 1997..	4 055	10 430	412	2 135	178	7 989	1 672	4 240
..... 1992..	4 532	11 276	299	2 229	59	4 087	1 172	3 496
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	360	378	15	55	39	45	90	323
..... 1992..	563	411	23	44	42	81	130	331
acres on which used, 1997..	6 245	10 586	139	373	32 412	15 267	3 800	12 088
..... 1992..	6 101	11 609	237	781	26 076	9 007	3 751	12 780
Nematodes in crops ..... farms, 1997..	140	107	1	6	5	1	38	226
..... 1992..	213	272	8	1	7	4	79	260
acres on which used, 1997..	1 316	2 407	(D)	6	(D)	(D)	1 868	8 231
..... 1992..	2 619	4 229	(D)	(D)	5 273	(D)	2 291	9 541
Diseases in crops and orchards..... farms, 1997..	81	119	5	22	5	18	35	116
..... 1992..	64	112	16	16	4	27	32	127
acres on which used, 1997..	460	1 874	7	85	1 705	205	1 487	5 144
..... 1992..	1 043	2 137	46	66	2 132	3 437	1 674	4 594
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	217	318	21	78	51	338	80	338
..... 1992..	328	323	28	56	49	351	136	345
acres on which used, 1997..	3 589	12 491	227	2 162	37 235	68 487	6 428	16 745
..... 1992..	3 653	12 706	271	779	36 313	79 132	11 796	19 271
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	32	31	1	9	4	3	8	16
..... 1992..	94	103	5	3	2	9	25	57
acres on which used, 1997..	229	746	(D)	29	1 490	(D)	760	1 893
..... 1992..	836	2 119	27	9	(D)	603	995	2 195

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

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

Chemicals used	Warren	Washington	Watauga	Wayne	Wilkes	Wilson	Yadkin	Yancey
Commercial fertilizer ..... farms, 1997..	186	137	479	621	596	339	682	521
..... farms, 1992..	254	191	592	700	518	453	732	615
acres on which used, 1997..	13 577	74 791	7 325	111 800	24 719	67 168	42 970	4 513
..... farms, 1992..	14 633	61 212	7 744	104 508	19 161	81 245	42 779	5 487
Cropland fertilized, except pastureland ..... farms, 1997..	169	120	423	590	397	308	582	468
..... farms, 1992..	237	189	532	682	423	443	678	600
acres on which used, 1997..	10 807	74 168	4 551	109 711	13 906	66 358	33 811	2 103
..... farms, 1992..	10 479	(D)	3 679	102 645	13 651	80 615	35 338	3 476
Pastureland and rangeland fertilized..... farms, 1997..	46	25	133	96	283	57	290	153
..... farms, 1992..	64	3	185	83	210	47	278	139
acres on which used, 1997..	2 770	623	2 774	2 089	10 813	810	9 159	2 410
..... farms, 1992..	4 154	(D)	4 065	1 863	5 510	630	7 441	2 011
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ..... farms, 1997..	73	96	188	441	92	273	221	131
..... farms, 1992..	132	97	220	503	128	317	348	245
acres on which used, 1997..	2 952	56 989	1 237	71 588	4 817	44 727	8 089	464
..... farms, 1992..	4 378	28 104	1 124	53 232	6 026	38 019	9 415	991
Nematodes in crops ..... farms, 1997..	44	23	17	297	18	189	96	16
..... farms, 1992..	40	28	29	371	43	284	148	10
acres on which used, 1997..	1 498	3 807	137	17 585	754	14 134	2 683	29
..... farms, 1992..	1 712	2 478	156	19 470	1 580	17 486	2 896	61
Diseases in crops and orchards..... farms, 1997..	27	38	106	125	51	113	58	127
..... farms, 1992..	22	61	157	146	65	144	71	149
acres on which used, 1997..	1 540	8 374	467	7 763	2 830	9 702	1 730	640
..... farms, 1992..	707	4 221	344	6 389	674	8 115	1 178	348
Weeds, grass, or brush in crops and pasture ..... farms, 1997..	51	102	205	366	308	213	249	151
..... farms, 1992..	74	161	203	427	283	361	225	140
acres on which used, 1997..	10 051	67 726	2 968	91 319	14 422	57 295	24 076	1 390
..... farms, 1992..	5 535	56 166	1 667	71 707	8 897	60 711	14 663	613
Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997..	4	20	22	92	22	46	15	17
..... farms, 1992..	13	21	34	136	2	88	55	50
acres on which used, 1997..	276	8 510	106	14 549	307	13 724	760	59
..... farms, 1992..	325	4 027	44	12 110	(D)	5 212	724	171