

Table 39. Fertilizers and Chemicals Applied: 2002 and 1997

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

Item	Virginia	Accomack	Albemarle	Alleghany	Amelia	Amherst	Appomattox
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	25,547	166	378	105	234	253	220
1997	29,923	202	478	102	208	327	261
acres treated, 2002	2,328,792	52,368	28,886	4,036	22,557	11,729	31,109
1997	2,209,009	54,481	29,136	3,602	18,054	17,772	17,885
Cropland fertilized, except cropland pastured farms, 2002	20,626	158	295	85	176	175	159
1997	25,496	201	339	83	164	240	170
acres treated, 2002	1,742,799	52,197	18,981	2,980	16,431	7,694	15,774
1997	1,763,606	(D)	18,957	2,399	15,460	11,824	10,657
Pastureland and rangeland fertilized farms, 2002	12,991	17	190	48	128	123	181
1997	11,185	1	213	47	88	161	163
acres treated, 2002	585,993	171	9,905	1,056	6,126	4,035	15,335
1997	445,403	(D)	10,179	1,203	2,594	5,948	7,228
Manure farms, 2002	7,317	56	107	29	126	80	26
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	382,194	12,058	3,818	626	8,791	3,451	1,492
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	6,133	98	83	6	58	7	4
1997	7,390	101	66	9	53	34	15
acres treated, 2002	701,322	24,859	4,107	630	2,995	225	674
1997	598,450	30,874	3,526	544	3,606	1,025	725
Weeds, grass, or brush farms, 2002	12,199	160	150	35	102	133	46
1997	10,849	177	112	23	75	51	50
acres treated, 2002	1,211,547	60,233	5,737	953	10,154	2,088	1,505
1997	1,170,455	59,164	5,142	468	11,471	1,289	2,228
Nematodes farms, 2002	1,288	17	1	-	17	-	-
1997	1,783	20	2	-	2	2	-
acres treated, 2002	129,411	1,987	(D)	(D)	248	-	-
1997	157,625	6,157	(D)	(D)	844	(D)	-
Diseases in crops and orchards farms, 2002	2,280	40	68	4	9	9	1
1997	3,570	51	42	5	3	12	8
acres treated, 2002	155,107	7,316	2,177	72	325	90	(D)
1997	210,915	13,523	466	5	(D)	708	47
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	866	11	13	-	1	-	8
1997	1,264	8	16	4	2	-	5
acres on which used, 2002	93,380	1,104	1,186	-	(D)	-	48
1997	123,585	1,513	295	4	(D)	-	20

Item	Arlington	Augusta	Bath	Bedford	Bland	Botetourt	Brunswick
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	-	758	50	791	237	333	176
1997	-	929	61	1,024	305	351	225
acres treated, 2002	-	69,206	7,182	56,212	13,518	27,514	12,717
1997	-	64,785	5,294	54,173	12,877	15,761	14,639
Cropland fertilized, except cropland pastured farms, 2002	-	584	38	626	206	284	142
1997	-	771	46	831	274	293	225
acres treated, 2002	-	42,760	2,927	36,148	8,248	16,022	9,956
1997	-	51,683	4,717	33,348	9,510	11,437	12,926
Pastureland and rangeland fertilized farms, 2002	-	393	38	437	140	180	84
1997	-	342	22	601	78	115	35
acres treated, 2002	-	26,446	4,255	20,064	5,270	11,492	2,761
1997	-	13,102	577	20,825	3,367	4,324	1,713
Manure farms, 2002	-	514	14	127	31	146	10
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	-	39,426	701	5,241	1,225	3,806	566
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	-	161	10	76	6	34	56
1997	-	262	8	127	29	24	112
acres treated, 2002	-	15,309	86	6,471	1,142	13,696	3,451
1997	-	12,825	69	4,015	1,807	2,270	4,880
Weeds, grass, or brush farms, 2002	-	409	15	245	122	213	86
1997	-	463	31	170	116	95	56
acres treated, 2002	-	31,365	256	7,341	4,239	19,219	6,438
1997	-	31,713	1,517	7,575	3,750	4,060	7,912
Nematodes farms, 2002	-	49	1	10	1	-	34
1997	-	24	1	18	-	5	76
acres treated, 2002	-	808	(D)	1,040	(D)	-	1,094
1997	-	2,078	(D)	645	-	493	3,325
Diseases in crops and orchards farms, 2002	-	21	7	18	-	23	19
1997	-	31	4	31	14	12	21
acres treated, 2002	-	989	35	123	-	806	1,591
1997	-	315	34	457	17	602	2,487
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	5	-	5	-	12	10
1997	-	19	-	18	8	5	7
acres on which used, 2002	-	94	-	70	-	615	359
1997	-	670	-	180	12	501	583

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Buchanan	Buckingham	Campbell	Caroline	Carroll	Charles City	Charlotte
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	55	232	397	135	733	41	359
1997	65	259	397	147	751	45	350
acres treated, 2002	760	17,885	28,392	38,491	47,572	17,535	28,960
1997	1,255	13,346	33,970	29,364	33,649	18,557	22,349
Cropland fertilized, except cropland pastured farms, 2002	53	131	339	100	552	34	340
1997	58	179	323	119	472	37	306
acres treated, 2002	563	7,514	17,753	36,133	21,568	17,273	19,104
1997	418	8,361	19,624	27,767	15,813	18,196	13,117
Pastureland and rangeland fertilized farms, 2002	20	177	195	74	538	13	197
1997	24	141	212	55	499	13	167
acres treated, 2002	197	10,371	10,639	2,358	26,004	262	9,856
1997	837	4,985	14,346	1,597	17,836	361	9,232
Manure farms, 2002	13	103	98	42	101	12	61
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	98	4,317	6,002	911	3,149	532	3,420
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	6	8	100	62	76	22	83
1997	8	27	74	31	44	28	172
acres treated, 2002	20	262	1,531	17,283	1,863	9,746	2,430
1997	13	533	2,283	4,935	1,405	8,463	3,927
Weeds, grass, or brush farms, 2002	11	46	119	79	174	34	125
1997	13	38	149	67	134	31	128
acres treated, 2002	153	2,210	4,820	37,876	6,359	15,231	6,641
1997	692	941	7,944	27,641	3,211	16,464	4,520
Nematodes farms, 2002	-	-	10	10	11	5	35
1997	-	-	10	4	4	-	270
acres treated, 2002	-	-	19	5,171	430	-	1,410
1997	-	-	128	(D)	114	515	3
Diseases in crops and orchards farms, 2002	8	-	-	15	36	11	30
1997	10	12	40	11	53	9	(D)
acres treated, 2002	27	-	-	11,684	779	981	372
1997	19	331	100	1,841	696	2,560	-
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	8	-	10	-	25	6	27
1997	5	2	13	4	13	9	17
acres on which used, 2002	16	-	38	-	306	1,825	437
1997	13	(D)	624	859	196	1,417	715

Item	Chesterfield	Clarke	Craig	Culpeper	Cumberland	Dickenson	Dinwiddie
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	109	183	127	322	114	74	180
1997	90	135	117	293	159	83	240
acres treated, 2002	3,999	21,803	7,971	38,441	12,725	2,480	24,519
1997	3,615	14,613	7,710	35,555	9,147	1,880	24,969
Cropland fertilized, except cropland pastured farms, 2002	80	129	95	199	94	44	136
1997	75	124	107	240	134	64	221
acres treated, 2002	3,082	15,640	5,211	30,063	5,087	946	22,518
1997	3,013	12,103	5,216	30,896	6,883	775	23,101
Pastureland and rangeland fertilized farms, 2002	57	98	70	182	64	54	78
1997	26	30	49	110	54	42	56
acres treated, 2002	917	6,163	2,760	8,378	7,638	1,534	2,001
1997	602	2,510	2,494	4,659	2,264	1,105	1,868
Manure farms, 2002	61	137	19	89	72	13	51
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,382	5,753	418	4,193	8,302	121	2,216
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	35	47	6	55	17	16	92
1997	28	49	2	102	48	6	125
acres treated, 2002	1,137	5,923	365	4,776	1,020	31	13,553
1997	729	7,202	(D)	7,304	2,302	6	7,831
Weeds, grass, or brush farms, 2002	83	115	46	273	42	39	120
1997	57	85	36	117	41	36	129
acres treated, 2002	3,269	8,452	1,178	21,467	2,308	627	19,371
1997	2,750	10,434	1,401	19,422	3,419	224	22,179
Nematodes farms, 2002	12	-	2	1	7	2	41
1997	13	1	-	4	17	3	65
acres treated, 2002	119	-	(D)	(D)	162	(D)	4,761
1997	294	(D)	-	1,139	795	3	4,383
Diseases in crops and orchards farms, 2002	19	22	-	4	4	7	26
1997	14	11	5	32	13	9	46
acres treated, 2002	350	1,759	-	105	138	22	2,652
1997	361	3,080	45	1,591	83	12	3,649
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	5	16	-	2	4	2	11
1997	2	7	-	29	1	3	10
acres on which used, 2002	93	1,137	-	(D)	27	(D)	3,673
1997	(D)	2,346	-	1,642	(D)	6	2,882

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Essex	Fairfax	Fauquier	Floyd	Fluvanna	Franklin	Frederick
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	73	63	528	478	147	655	247
1997	89	61	595	574	171	790	365
acres treated, 2002	29,352	844	47,767	25,813	12,095	47,453	18,992
1997	36,333	1,897	59,400	24,658	10,089	59,182	23,263
Cropland fertilized, except cropland pastured farms, 2002	59	40	324	381	133	470	199
1997	85	45	342	455	134	614	335
acres treated, 2002	28,944	646	35,331	14,551	8,135	30,320	14,425
1997	36,121	1,537	40,196	14,553	7,381	38,883	20,774
Pastureland and rangeland fertilized farms, 2002	17	23	348	280	75	441	114
1997	6	25	316	290	85	466	61
acres treated, 2002	408	198	12,436	11,262	3,960	17,133	4,567
1997	212	360	19,204	10,105	2,708	20,299	2,489
Manure farms, 2002	7	35	111	44	51	189	53
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,392	415	10,451	2,703	3,402	12,775	3,224
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	43	17	87	34	15	111	91
1997	43	24	85	61	30	217	121
acres treated, 2002	18,285	107	12,248	2,928	1,476	9,664	9,664
1997	13,336	388	9,066	2,655	604	9,981	12,044
Weeds, grass, or brush farms, 2002	52	36	254	125	18	194	97
1997	76	24	224	102	44	213	179
acres treated, 2002	24,823	389	22,916	8,110	1,796	12,505	8,092
1997	29,797	575	32,115	5,114	964	15,717	10,750
Nematodes farms, 2002	4	-	3	1	-	8	1
1997	2	-	5	2	9	37	16
acres treated, 2002	262	-	658	(D)	-	1,793	(D)
1997	(D)	-	1,111	(D)	231	528	622
Diseases in crops and orchards farms, 2002	10	13	40	20	6	2	37
1997	12	18	35	34	20	70	90
acres treated, 2002	2,306	22	1,653	364	180	(D)	9,072
1997	3,271	44	244	200	392	1,225	10,083
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	1	1	1	-	-	3	20
1997	6	4	12	11	-	3	53
acres on which used, 2002	(D)	(D)	(D)	-	-	154	4,276
1997	(D)	61	700	389	-	293	4,185

Item	Giles	Gloucester	Goochland	Grayson	Greene	Greensville	Halifax	Hanover
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	188	76	160	625	99	72	629	312
1997	287	86	133	688	119	124	859	400
acres treated, 2002	11,697	13,182	22,338	32,196	5,742	18,282	38,616	51,196
1997	11,031	15,926	12,105	24,591	6,165	24,250	40,920	48,258
Cropland fertilized, except cropland pastured farms, 2002	155	69	101	484	77	66	571	264
1997	255	80	113	651	95	112	760	329
acres treated, 2002	6,393	12,828	11,327	14,362	3,541	17,494	24,382	47,025
1997	8,177	15,772	10,220	16,680	4,374	22,896	25,278	42,578
Pastureland and rangeland fertilized farms, 2002	122	19	119	347	60	28	330	147
1997	110	20	59	238	51	24	353	161
acres treated, 2002	5,304	354	11,011	17,834	2,201	788	14,234	4,171
1997	2,854	154	1,885	7,911	1,791	1,354	15,642	5,680
Manure farms, 2002	58	19	51	112	52	10	131	85
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,554	198	2,495	3,367	4,165	2,433	5,283	2,250
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	30	31	6	125	7	50	207	125
1997	15	27	4	104	17	61	375	114
acres treated, 2002	347	8,269	6,756	1,962	(D)	14,532	4,709	23,806
1997	344	2,612	185	2,100	589	16,992	8,902	11,132
Weeds, grass, or brush farms, 2002	88	60	35	181	39	68	210	199
1997	153	47	20	175	29	79	269	177
acres treated, 2002	2,643	13,551	6,851	5,825	801	16,452	7,927	36,330
1997	4,682	11,580	5,380	5,881	899	23,134	10,835	28,762
Nematodes farms, 2002	-	2	1	-	3	28	127	7
1997	1	-	1	24	1	50	109	9
acres treated, 2002	(D)	(D)	(D)	-	12	5,191	2,146	1,260
1997	(D)	-	(D)	78	(D)	8,876	2,102	(D)
Diseases in crops and orchards farms, 2002	20	8	3	58	5	19	73	33
1997	2	9	1	89	9	47	75	43
acres treated, 2002	40	30	241	953	38	5,110	1,882	4,541
1997	(D)	(D)	(D)	320	119	5,504	1,411	4,554
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	7	5	8	5	-	20	22	1
1997	1	3	-	7	5	39	42	9
acres on which used, 2002	35	377	40	10	-	6,283	655	(D)
1997	(D)	(D)	-	(D)	35	5,671	1,277	27

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Henrico	Henry	Highland	Isle of Wight	James City	King and Queen	King George	King William
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	99	163	62	136	42	96	83	108
1997	98	225	115	160	46	115	104	107
acres treated, 2002	9,502	13,705	2,933	44,428	3,833	23,930	9,306	32,075
1997	9,756	10,390	3,992	49,102	4,619	27,937	13,690	30,774
Cropland fertilized, except cropland pastured farms, 2002	72	102	37	125	24	79	73	74
1997	93	159	93	153	40	110	90	96
acres treated, 2002	8,953	5,446	1,653	42,847	3,547	23,194	8,682	30,699
1997	9,542	5,206	2,909	48,344	4,448	27,532	13,044	29,564
Pastureland and rangeland fertilized farms, 2002	40	111	30	26	27	29	29	50
1997	21	142	38	21	15	20	24	33
acres treated, 2002	549	8,259	1,280	1,581	286	736	624	1,376
1997	214	5,184	1,083	758	171	405	646	1,210
Manure farms, 2002	17	36	48	28	11	21	10	28
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	325	591	2,381	1,685	(D)	1,148	1,036	1,178
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	34	5	3	107	12	47	23	47
1997	32	30	25	121	25	38	25	55
acres treated, 2002	3,571	120	89	38,724	(D)	14,934	2,597	19,288
1997	1,278	575	576	32,841	659	8,621	2,083	13,692
Weeds, grass, or brush farms, 2002	51	34	27	112	22	70	49	80
1997	47	24	27	126	20	70	51	75
acres treated, 2002	9,768	873	1,487	44,243	2,913	26,684	6,146	26,718
1997	4,566	429	2,284	49,223	2,946	22,534	11,034	26,938
Nematodes farms, 2002	-	-	1	7	2	7	3	4
1997	4	1	-	76	4	5	-	12
acres treated, 2002	-	-	(D)	14,704	(D)	1,700	225	2,933
1997	54	-	56	13,817	47	2,274	-	1,750
Diseases in crops and orchards farms, 2002	13	2	-	46	8	6	13	13
1997	10	11	5	55	12	23	9	20
acres treated, 2002	1,361	(D)	-	9,495	122	1,524	252	1,758
1997	690	82	59	12,552	631	3,722	108	4,909
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	2	-	-	52	-	-	3	2
1997	4	2	-	46	2	3	-	2
acres on which used, 2002	(D)	-	-	11,011	-	-	(D)	(D)
1997	13	(D)	-	16,744	(D)	639	-	(D)
Item	Lancaster	Lee	Loudoun	Louisa	Lunenburg	Madison	Mathews	Mecklenburg
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	34	800	379	251	249	298	27	341
1997	59	1,042	463	232	223	299	35	523
acres treated, 2002	7,125	24,321	32,158	16,762	22,612	37,863	3,751	32,369
1997	10,818	22,113	49,416	16,843	10,215	36,085	3,426	37,756
Cropland fertilized, except cropland pastured farms, 2002	34	704	236	212	219	255	26	258
1997	59	967	377	191	210	227	34	456
acres treated, 2002	7,065	14,800	26,033	11,432	12,469	20,615	3,554	21,034
1997	10,636	12,865	40,737	12,456	7,798	24,001	3,123	26,484
Pastureland and rangeland fertilized farms, 2002	5	371	200	123	153	199	6	149
1997	3	308	131	97	61	177	10	235
acres treated, 2002	60	9,521	6,125	5,330	10,143	17,248	197	11,335
1997	182	9,248	8,679	4,387	2,417	12,084	303	11,272
Manure farms, 2002	6	73	305	50	33	63	6	43
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	45	1,541	7,993	1,333	2,289	5,633	63	1,829
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	17	87	179	84	71	55	12	117
1997	30	170	105	40	74	66	8	202
acres treated, 2002	3,872	445	9,136	3,092	3,859	3,784	1,701	6,063
1997	3,671	1,838	5,586	2,239	2,726	5,523	776	9,524
Weeds, grass, or brush farms, 2002	27	404	335	118	64	104	16	137
1997	47	329	351	79	33	135	20	144
acres treated, 2002	6,440	7,209	20,457	7,771	6,821	10,349	3,724	11,178
1997	8,891	3,805	30,029	7,938	1,360	11,920	3,805	13,116
Nematodes farms, 2002	-	9	6	6	39	4	3	78
1997	6	26	9	11	63	7	3	70
acres treated, 2002	-	-	49	6	1,588	251	22	2,341
1997	405	151	90	188	1,125	2,022	(D)	3,675
Diseases in crops and orchards farms, 2002	2	42	150	29	29	22	5	23
1997	15	221	43	18	14	20	7	42
acres treated, 2002	(D)	443	1,451	355	1,108	469	251	1,534
1997	1,922	740	569	19	315	3,313	496	1,943
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	1	19	48	-	5	19	-	9
1997	7	65	22	-	9	12	-	24
acres on which used, 2002	(D)	51	98	-	313	311	-	478
1997	733	288	1,062	-	220	145	-	1,553

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Middlesex	Montgomery	Nelson	New Kent	Northampton	Northumberland	Nottoway	Orange
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	52	363	267	57	118	101	209	218
1997	53	391	229	55	144	98	178	196
acres treated, 2002	13,120	19,506	15,544	11,091	34,530	29,755	11,286	27,909
1997	12,645	19,776	9,516	10,104	38,968	26,756	13,758	29,329
Cropland fertilized, except cropland pastured farms, 2002	42	295	190	47	118	101	163	179
1997	50	314	136	43	143	98	144	184
acres treated, 2002	12,669	12,544	10,369	10,668	34,475	29,379	6,179	20,446
1997	12,391	13,627	5,405	9,653	38,853	26,511	8,967	20,713
Pastureland and rangeland fertilized farms, 2002	15	175	137	26	6	16	107	117
1997	8	184	138	20	10	13	76	101
acres treated, 2002	451	6,962	5,175	423	55	376	5,107	7,463
1997	254	6,149	4,111	451	115	245	4,791	8,616
Manure farms, 2002	13	62	70	15	13	14	87	97
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	189	3,979	2,454	282	1,917	396	3,275	5,558
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-Insects ² farms, 2002	23	25	15	25	63	74	29	77
1997	24	59	7	17	96	59	43	49
acres treated, 2002	8,538	2,344	1,198	5,256	19,279	18,641	692	3,870
1997	3,971	2,029	975	3,095	27,561	10,218	1,521	3,888
Weeds, grass, or brush farms, 2002	37	143	62	48	84	89	65	96
1997	29	157	54	29	112	73	40	69
acres treated, 2002	12,975	5,282	2,642	8,976	31,225	25,932	3,084	11,830
1997	10,779	5,759	1,324	8,431	35,790	19,752	3,289	7,879
Nematodes farms, 2002	-	2	-	2	10	-	9	2
1997	4	10	1	1	25	2	5	2
acres treated, 2002	-	(D)	-	(D)	4,859	-	233	(D)
1997	202	270	(D)	(D)	2,126	(D)	259	(D)
Diseases in crops and orchards farms, 2002	7	7	21	5	35	16	9	27
1997	10	16	7	10	70	28	7	17
acres treated, 2002	410	162	1,133	(D)	8,128	2,931	37	386
1997	1,290	191	907	1,540	15,078	6,433	55	737
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	-	4	-	9	-	-	23
1997	1	7	5	2	15	7	2	5
acres on which used, 2002	-	-	602	-	1,748	-	-	401
1997	(D)	263	792	(D)	3,457	868	(D)	113

Item	Page	Patrick	Pittsylvania	Powhatan	Prince Edward	Prince George	Prince William	Pulaski
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	184	424	845	103	178	111	167	236
1997	211	482	1,060	142	199	82	189	278
acres treated, 2002	8,603	30,183	73,131	10,819	16,442	17,568	11,517	17,542
1997	6,881	19,722	59,786	8,418	16,352	16,191	13,442	19,215
Cropland fertilized, except cropland pastured farms, 2002	136	364	742	72	173	91	87	189
1997	210	362	876	94	158	68	135	234
acres treated, 2002	4,425	15,523	43,860	7,964	11,042	16,488	8,024	10,397
1997	6,219	10,230	40,776	6,031	9,532	15,710	11,836	13,967
Pastureland and rangeland fertilized farms, 2002	90	283	475	49	90	42	98	143
1997	14	295	434	79	102	22	70	105
acres treated, 2002	4,178	14,660	29,271	2,855	5,400	1,080	3,493	7,145
1997	662	9,492	19,010	2,387	6,820	481	1,606	5,248
Manure farms, 2002	142	78	81	42	47	16	109	30
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	10,199	2,674	5,404	2,248	2,853	111	1,388	1,791
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-Insects ² farms, 2002	52	82	269	21	41	43	15	19
1997	84	142	442	16	67	24	23	18
acres treated, 2002	1,050	3,320	13,625	1,228	1,419	7,002	764	1,777
1997	3,342	3,313	14,956	268	1,687	5,348	2,449	1,449
Weeds, grass, or brush farms, 2002	135	143	371	45	43	75	73	122
1997	206	79	234	43	46	50	65	76
acres treated, 2002	6,823	4,401	19,279	3,647	1,326	15,235	5,688	5,438
1997	8,913	3,571	13,227	3,244	4,390	13,249	6,894	4,085
Nematodes farms, 2002	4	24	72	4	12	6	1	9
1997	2	28	118	2	18	7	3	3
acres treated, 2002	88	559	2,085	11	68	536	(D)	270
1997	(D)	713	4,294	(D)	110	1,044	72	(D)
Diseases in crops and orchards farms, 2002	1	62	57	9	19	16	5	9
1997	20	72	90	2	22	17	19	9
acres treated, 2002	(D)	1,574	1,295	14	82	2,619	5	270
1997	93	935	2,605	(D)	(D)	2,561	671	376
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	36	63	10	1	2	-	-
1997	1	11	63	1	3	-	-	9
acres on which used, 2002	-	832	1,124	104	(D)	(D)	-	-
1997	(D)	239	1,878	(D)	35	-	-	470

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Rappahannock	Richmond	Roanoke	Rockbridge	Rockingham	Russell	Scott	Shenandoah
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	190	92	164	308	841	758	1,000	415
1997	166	127	157	381	912	964	1,344	495
acres treated, 2002	9,365	28,822	3,300	30,992	64,611	27,825	30,478	25,371
1997	12,023	21,400	3,757	23,305	53,374	19,272	23,159	22,312
Cropland fertilized, except cropland pastured farms, 2002	178	92	144	286	756	646	879	295
1997	127	127	139	334	861	912	1,318	459
acres treated, 2002	7,361	28,007	2,426	20,064	54,834	17,139	18,756	22,160
1997	8,745	21,170	2,220	17,202	46,750	12,871	15,640	19,709
Pastureland and rangeland fertilized farms, 2002	70	12	62	141	267	308	482	164
1997	43	11	40	138	171	198	347	98
acres treated, 2002	2,004	815	874	10,928	9,777	10,686	11,722	3,211
1997	3,278	230	1,537	6,103	6,624	6,401	7,519	2,603
Manure farms, 2002	36	4	22	187	799	59	177	270
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,246	(D)	138	10,315	65,261	933	1,409	16,739
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	49	43	59	68	419	113	202	77
1997	39	56	33	56	369	142	264	111
acres treated, 2002	1,483	13,256	603	2,457	26,014	1,326	1,596	6,088
1997	708	5,572	386	1,991	20,719	1,110	1,448	9,976
Weeds, grass, or brush farms, 2002	76	62	97	229	766	420	451	183
1997	40	80	39	118	652	213	308	281
acres treated, 2002	3,860	22,966	1,284	7,267	44,657	12,090	6,767	7,310
1997	1,010	14,810	920	5,148	39,392	5,733	4,345	15,100
Nematodes farms, 2002	7	1	-	17	81	45	23	2
1997	3	7	-	10	53	51	48	14
acres treated, 2002	84	(D)	-	631	2,627	103	46	(D)
1997	(D)	110	(D)	642	3,599	266	411	439
Diseases in crops and orchards farms, 2002	33	18	36	34	102	105	68	1
1997	22	25	19	5	170	170	276	16
acres treated, 2002	206	2,101	488	472	2,953	352	573	(D)
1997	520	942	294	69	1,736	1,075	930	3,433
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	14	3	-	1	12	20	23	2
1997	14	8	10	1	18	23	77	18
acres on which used, 2002	69	60	-	(D)	951	157	122	(D)
1997	485	769	315	(D)	898	516	419	1,972
Item	Smyth	Southampton	Spotsylvania	Stafford	Surry	Sussex	Tazewell	Warren
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	502	204	175	113	97	85	280	121
1997	710	256	176	106	107	111	328	102
acres treated, 2002	28,642	78,255	13,249	9,348	32,137	30,433	15,208	4,708
1997	21,323	83,343	12,327	4,994	26,248	33,390	11,278	4,175
Cropland fertilized, except cropland pastured farms, 2002	365	186	148	96	91	64	203	91
1997	601	219	147	76	98	98	284	87
acres treated, 2002	14,524	75,812	11,743	7,438	31,872	29,511	10,740	2,655
1997	12,715	79,427	8,940	3,876	25,693	32,766	9,107	2,666
Pastureland and rangeland fertilized farms, 2002	351	45	74	59	18	36	151	52
1997	322	98	76	58	11	20	90	21
acres treated, 2002	14,118	2,443	1,506	1,910	265	922	4,468	2,053
1997	8,608	3,916	3,387	1,118	555	624	2,171	1,509
Manure farms, 2002	110	36	112	58	18	9	98	55
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	3,753	2,435	2,232	1,206	753	287	2,486	2,940
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	99	159	38	8	60	59	9	16
1997	108	181	37	9	67	65	31	3
acres treated, 2002	2,391	58,147	3,516	450	19,602	22,943	720	94
1997	1,423	63,104	839	74	16,842	16,093	471	(D)
Weeds, grass, or brush farms, 2002	200	166	81	67	81	65	113	48
1997	237	170	32	33	78	77	132	35
acres treated, 2002	6,768	63,561	7,405	5,411	28,534	32,147	4,528	1,347
1997	5,489	70,055	4,074	2,820	22,339	26,453	3,223	2,224
Nematodes farms, 2002	3	99	12	-	38	42	-	-
1997	9	150	1	2	45	60	1	-
acres treated, 2002	(D)	27,063	217	-	6,645	6,864	-	-
1997	159	38,806	(D)	(D)	4,308	9,298	(D)	-
Diseases in crops and orchards farms, 2002	22	70	8	1	34	34	10	1
1997	103	121	17	5	55	46	21	(D)
acres treated, 2002	504	17,748	17	(D)	6,811	4,892	20	12
1997	441	32,538	173	49	7,190	5,773	57	535
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	17	77	16	3	16	21	-	-
1997	32	124	-	1	21	26	10	-
acres on which used, 2002	(D)	25,298	427	205	2,988	4,383	-	-
1997	154	37,818	-	(D)	2,061	4,777	50	-

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Washington	Westmoreland	Wise	Wythe	York	Chesapeake City	Suffolk	Virginia Beach City
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	1,210	108	82	471	20	161	125	110
1997	1,507	131	114	510	24	151	164	102
acres treated, 2002	42,295	33,532	2,440	31,828	242	46,691	46,485	23,184
1997	38,484	35,234	2,321	31,010	311	43,295	47,903	20,474
Cropland fertilized, except cropland pastured farms, 2002	1,079	104	56	351	17	129	114	90
1997	1,450	122	72	443	20	147	157	93
acres treated, 2002	23,637	32,227	1,487	17,114	206	45,638	45,931	22,765
1997	23,566	34,285	1,439	19,603	(D)	43,003	44,544	20,303
Pastureland and rangeland fertilized farms, 2002	546	21	42	327	3	45	26	26
1997	448	19	57	231	5	19	32	16
acres treated, 2002	18,658	1,305	953	14,714	36	1,053	554	419
1997	14,918	949	882	11,407	(D)	292	3,359	171
Manure farms, 2002	148	26	19	134	6	25	36	33
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	4,773	2,635	951	4,573	70	979	2,742	489
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	300	69	7	52	13	64	107	67
1997	289	61	10	89	13	75	136	48
acres treated, 2002	3,978	11,819	70	4,453	135	21,099	37,191	9,827
1997	3,960	8,305	38	5,116	41	18,662	35,501	3,461
Weeds, grass, or brush farms, 2002	471	97	21	223	14	110	119	71
1997	383	94	42	257	12	99	150	56
acres treated, 2002	12,350	31,084	747	5,796	227	33,927	46,119	20,350
1997	7,466	26,344	2,199	9,276	100	40,468	47,292	19,065
Nematodes farms, 2002	43	8	-	3	2	5	48	2
1997	70	15	1	9	1	8	107	2
acres treated, 2002	1,216	194	-	256	(D)	(D)	17,582	(D)
1997	713	1,991	(D)	255	(D)	(D)	15,726	(D)
Diseases in crops and orchards farms, 2002	156	8	7	10	7	5	56	17
1997	334	32	8	37	4	24	127	17
acres treated, 2002	691	1,656	70	27	56	30	13,337	1,036
1997	1,760	3,225	27	248	4	2,780	17,858	(D)
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	11	3	-	-	2	2	31	9
1997	87	8	5	9	1	8	31	-
acres on which used, 2002	450	229	-	-	(D)	(D)	10,613	906
1997	1,125	359	24	92	(D)	(D)	8,213	-

¹ Data for 1997 exclude lime.

² Data for 1997 include treatment of crops, including hay, but not other land.