

**Table 38. Machinery and Equipment on Operation: 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
<b>VALUE OF MACHINERY AND EQUIPMENT</b>							
Estimated market value of all machinery and equipment							
farms, 2002	46,303	318	878	198	437	411	392
1997	49,352	288	917	204	399	499	408
\$1,000, 2002	2,005,079	35,233	38,425	7,044	14,445	12,920	13,131
1997	1,927,837	26,323	36,032	6,871	13,703	17,182	11,372
Average per farm	dollars, 2002	43,303	110,795	43,764	35,575	33,056	31,436
1997	39,063	91,399	39,293	33,679	34,344	34,434	27,872
<b>Farms by value group:</b>							
\$1 to \$9,999	2002	13,985	67	298	49	161	161
1997	12,554	71	167	41	107	100	57
\$10,000 to \$19,999	2002	8,534	30	124	61	91	85
1997	11,163	58	187	63	114	109	167
\$20,000 to \$29,999	2002	6,190	58	111	42	43	51
1997	7,814	30	160	24	50	77	107
\$30,000 to \$49,999	2002	6,530	53	115	19	76	51
1997	7,319	27	152	34	71	84	18
\$50,000 to \$69,999	2002	3,396	24	121	5	12	14
1997	3,822	23	90	29	16	71	20
\$70,000 to \$99,999	2002	2,615	10	23	2	18	23
1997	2,462	15	112	2	6	31	13
\$100,000 to \$199,999	2002	3,208	32	56	10	26	19
1997	2,622	22	30	7	25	23	32
\$200,000 to \$499,999	2002	1,597	32	28	10	9	7
1997	1,391	34	19	4	9	4	2
\$500,000 or more	2002	248	12	2	-	1	-
1997	205	8	-	-	1	-	-
<b>SELECTED MACHINERY AND EQUIPMENT</b>							
Tractors	farms, 2002	43,443	282	758	189	428	381
1997	45,107	265	830	194	385	475	384
number, 2002	92,928	877	1,360	325	979	654	829
1997	88,785	648	1,548	295	772	859	732
Less than 40 horsepower (PTO)	farms, 2002	24,988	163	448	96	292	168
1997	25,829	137	418	107	218	293	241
number, 2002	34,237	271	566	(D)	426	243	395
1997	35,294	172	526	130	334	371	332
40 to 99 horsepower (PTO)	farms, 2002	29,864	198	418	147	282	235
1997	30,904	172	623	126	247	291	232
number, 2002	49,724	426	724	210	459	378	289
1997	46,195	309	951	(D)	(D)	426	422
100 horsepower (PTO) or more	farms, 2002	5,580	85	60	1	71	32
1997	4,814	89	62	1	46	42	8
number, 2002	8,967	180	70	(D)	94	33	10
1997	7,296	167	71	(D)	(D)	62	12
Grain and bean combines (see text)	farms, 2002	2,926	93	4	5	68	-
1997	3,968	103	15	1	56	-	9
number, 2002	3,264	107	5	5	77	-	25
1997	4,593	148	15	(D)	61	(D)	9
Cotton pickers and strippers	farms, 2002	167	5	-	-	-	-
1997	166	1	-	-	-	-	-
number, 2002	180	5	-	-	-	-	-
1997	176	(D)	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	988	5	1	-	3	-
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2
number, 2002	1,057	5	(D)	-	4	-	(D)
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers	farms, 2002	20,412	28	278	134	190	190
1997	20,045	22	304	108	148	249	240
number, 2002	26,047	32	323	168	258	234	259
1997	26,257	23	433	130	192	327	306
<b>2002 INVENTORY</b>							
<b>Manufactured 1998 to 2002:</b>							
Tractors	farms	7,811	61	219	25	52	40
number	10,409	150	240	41	66	45	69
Less than 40 horsepower (PTO)	farms	2,614	27	70	1	29	1
number	2,976	33	70	(D)	(D)	(D)	-
40 to 99 horsepower (PTO)	farms	5,206	27	146	25	30	39
number	6,349	75	158	(D)	34	(D)	69
100 horsepower (PTO) or more	farms	812	12	7	1	2	-
number	1,084	42	12	(D)	(D)	-	-
Grain and bean combines	farms	201	11	1	-	-	-
number	218	12	(D)	-	-	-	-
Cotton pickers and strippers	farms	28	2	-	-	-	-
number	29	(D)	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	78	-	1	-	-	-
number	79	-	(D)	-	-	-	1
Hay balers	farms	2,629	5	63	18	20	11
number	2,763	5	65	23	20	11	48
<b>Manufactured prior to 1998:</b>							
Tractors	farms	40,261	264	645	173	408	359
number	82,519	727	1,120	284	913	609	348
Less than 40 horsepower (PTO)	farms	22,992	145	388	95	270	167
number	31,261	238	496	(D)	(D)	(D)	289
40 to 99 horsepower (PTO)	farms	27,001	189	332	123	265	206
number	43,375	351	566	(D)	425	(D)	181
100 horsepower (PTO) or more	farms	5,146	81	54	1	71	32
number	7,883	138	58	(D)	(D)	33	8
Grain and bean combines	farms	2,748	82	3	5	68	-
number	3,046	95	(D)	5	77	-	9

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

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

Item	Arlington	Augusta	Bath	Bedford	Bland	Botetourt	Brunswick	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	2	1,604	115	1,267	418	575	335	
1997	1	1,816	155	1,454	423	626	329	
\$1,000, 2002	(D)	72,765	4,005	48,184	12,736	20,156	12,084	
1997	(D)	68,196	4,871	43,810	10,452	21,954	15,182	
Average per farm	(D)	45,365	34,823	38,030	30,470	35,055	36,071	
1997	(D)	37,553	31,423	30,130	24,708	35,070	46,145	
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	541	42	370	156	190	142	
1997	-	425	23	358	110	132	65	
\$10,000 to \$19,999	2002	221	21	207	92	83	66	
1997	-	422	18	338	125	160	95	
\$20,000 to \$29,999	2002	144	3	219	47	137	39	
1997	-	323	56	288	64	119	82	
\$30,000 to \$49,999	2002	248	27	155	70	65	44	
1997	1	199	23	234	81	87	21	
\$50,000 to \$69,999	2002	118	10	108	9	24	7	
1997	-	146	27	107	32	33	13	
\$70,000 to \$99,999	2002	117	3	98	23	19	13	
1997	-	153	1	39	1	45	14	
\$100,000 to \$199,999	2002	147	6	97	7	44	10	
1997	-	102	7	80	7	45	13	
\$200,000 to \$499,999	2002	64	3	6	14	12	13	
1997	-	43	-	10	3	5	23	
\$500,000 or more	2002	4	-	7	-	-	1	
1997	-	3	-	-	-	-	3	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	2	1,501	106	1,201	397	512	319
1997	1	1,636	146	1,357	394	597	316	
number, 2002	(D)	3,591	192	2,135	754	1,125	812	
1997	(D)	3,285	272	2,185	707	933	769	
Less than 40 horsepower (PTO)	farms, 2002	2	958	65	516	125	325	237
1997	1	968	73	795	207	315	183	
number, 2002	(D)	1,213	74	557	178	394	385	
1997	(D)	1,260	108	911	255	383	344	
40 to 99 horsepower (PTO)	farms, 2002	-	1,096	60	916	330	356	225
1997	1	1,130	116	921	318	385	240	
number, 2002	-	1,987	110	1,455	538	638	365	
1997	(D)	1,828	(D)	1,181	439	526	383	
100 horsepower (PTO) or more	farms, 2002	-	285	5	99	33	54	38
1997	-	155	3	76	11	19	24	
number, 2002	-	391	8	123	38	93	62	
1997	-	197	(D)	93	13	24	42	
Grain and bean combines (see text)	farms, 2002	-	65	1	7	-	6	29
1997	-	123	1	41	7	2	82	
number, 2002	-	66	(D)	7	-	6	37	
1997	-	130	(D)	41	7	(D)	85	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	2
1997	-	-	-	-	-	-	-	3
number, 2002	-	-	-	-	-	-	-	(D)
1997	-	-	-	-	-	-	-	(D)
Forage harvesters, self-propelled (see text)	farms, 2002	-	57	3	9	1	2	11
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	-	57	(D)	9	(D)	(D)	(D)	11
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers	farms, 2002	-	790	57	658	275	295	98
1997	-	721	66	694	325	345	119	
number, 2002	-	1,063	74	892	373	383	131	
1997	-	976	91	858	465	460	142	
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	-	223	22	182	90	80	57
number	-	282	32	226	146	92	80	
Less than 40 horsepower (PTO)	farms	-	75	2	57	8	10	30
number	-	76	(D)	57	9	10	34	
40 to 99 horsepower (PTO)	farms	-	157	20	116	75	62	34
number	-	175	28	156	124	71	38	
100 horsepower (PTO) or more	farms	-	28	2	12	13	10	5
number	-	31	(D)	13	13	11	8	
Grain and bean combines	farms	-	1	-	1	-	-	3
number	-	(D)	-	(D)	-	-	-	3
Cotton pickers and strippers	farms	-	-	-	-	-	-	2
number	-	-	-	-	-	-	-	(D)
Forage harvesters, self-propelled (see text)	farms	-	12	1	-	-	-	-
number	-	12	(D)	-	-	-	-	-
Hay balers	farms	-	47	6	33	51	16	11
number	-	48	6	34	52	23	11	
<b>Manufactured prior to 1998:</b>								
Tractors	farms	2	1,442	99	1,108	362	484	285
number	(D)	3,309	160	1,909	608	1,033	732	
Less than 40 horsepower (PTO)	farms	2	899	64	466	120	315	215
number	(D)	1,137	(D)	500	169	384	351	
40 to 99 horsepower (PTO)	farms	-	1,052	51	867	290	313	204
number	-	1,812	82	1,299	414	567	327	
100 horsepower (PTO) or more	farms	-	265	5	98	22	53	36
number	-	360	(D)	110	25	82	54	
Grain and bean combines	farms	-	64	1	6	-	6	26
number	-	(D)	(D)	(D)	-	6	34	

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**Table 38. Machinery and Equipment on Operation: 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
<b>VALUE OF MACHINERY AND EQUIPMENT</b>							
Estimated market value of all machinery and equipment							
farms, 2002	86	391	662	239	908	87	523
1997	95	438	728	214	1,115	70	571
\$1,000, 2002	2,291	11,285	29,282	16,633	36,674	7,450	20,267
1997	2,512	11,476	24,649	11,982	31,540	6,803	21,770
Average per farm	dollars, 2002	26,643	28,861	44,233	69,594	40,390	85,628
1997	26,444	26,201	33,859	55,989	28,287	97,182	38,127
Farms by value group:							
\$1 to \$9,999	2002	40	202	217	55	187	28
1997	28	163	175	48	339	19	125
\$10,000 to \$19,999	2002	11	51	84	58	165	18
1997	24	76	172	29	222	13	130
\$20,000 to \$29,999	2002	15	31	130	32	140	5
1997	13	50	121	39	223	4	107
\$30,000 to \$49,999	2002	4	43	54	41	186	12
1997	15	64	160	28	196	11	114
\$50,000 to \$69,999	2002	4	27	79	10	70	4
1997	5	58	31	40	66	-	15
\$70,000 to \$99,999	2002	8	8	26	11	99	1
1997	10	17	20	3	20	6	20
\$100,000 to \$199,999	2002	4	16	39	16	37	5
1997	-	7	25	13	17	5	53
\$200,000 to \$499,999	2002	-	13	32	10	24	11
1997	-	3	22	11	32	10	14
\$500,000 or more	2002	-	-	1	6	-	2
1997	-	-	2	3	-	2	1
<b>SELECTED MACHINERY AND EQUIPMENT</b>							
Tractors	farms, 2002	74	365	653	232	874	82
1997	74	437	676	194	1,021	66	475
number, 2002	98	752	1,406	529	1,849	218	1,070
1997	(D)	803	1,322	426	1,808	171	1,124
Less than 40 horsepower (PTO)	farms, 2002	41	210	354	135	489	55
1997	44	216	396	99	562	42	350
number, 2002	50	315	498	198	721	74	376
1997	(D)	263	546	140	728	59	513
40 to 99 horsepower (PTO)	farms, 2002	40	260	525	144	620	55
1997	44	321	433	128	698	35	371
number, 2002	48	408	794	215	1,078	93	611
1997	(D)	499	(D)	223	995	58	550
100 horsepower (PTO) or more	farms, 2002	-	15	88	57	48	24
1997	2	28	57	36	56	23	45
number, 2002	-	29	114	116	50	51	83
1997	(D)	41	(D)	63	85	54	61
Grain and bean combines (see text)	farms, 2002	-	14	65	37	11	14
1997	-	31	75	42	5	16	64
number, 2002	-	14	65	44	11	20	48
1997	-	36	76	57	5	23	69
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	3
1997	-	-	-	-	-	-	4
number, 2002	-	-	-	-	-	-	5
1997	-	-	-	-	-	-	5
Forage harvesters, self-propelled (see text)	farms, 2002	-	2	21	5	11	2
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	-	(D)	21	5	21	(D)	10
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers	farms, 2002	44	217	316	99	574	27
1997	47	171	279	83	491	20	289
number, 2002	48	267	384	130	750	32	311
1997	52	217	394	105	636	22	392
<b>2002 INVENTORY</b>							
Manufactured 1998 to 2002:							
Tractors	farms	6	70	59	63	144	21
number	6	120	64	91	191	27	99
Less than 40 horsepower (PTO)	farms	-	6	6	15	42	12
number	-	7	6	31	53	12	(D)
40 to 99 horsepower (PTO)	farms	6	62	49	31	103	8
number	6	99	53	32	121	11	79
100 horsepower (PTO) or more	farms	-	8	5	22	17	3
number	-	14	5	28	17	4	(D)
Grain and bean combines	farms	-	2	16	8	-	2
number	-	(D)	16	11	-	(D)	-
Cotton pickers and strippers	farms	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Hay balers	farms	2	58	33	14	117	3
number	(D)	66	34	14	117	3	47
Manufactured prior to 1998:							
Tractors	farms	71	321	653	199	821	78
number	92	632	1,342	438	1,658	191	453
Less than 40 horsepower (PTO)	farms	41	207	354	124	461	48
number	50	308	492	167	668	62	238
40 to 99 horsepower (PTO)	farms	37	214	509	125	534	51
number	42	309	741	183	957	82	332
100 horsepower (PTO) or more	farms	-	8	86	42	31	23
number	-	15	109	88	33	47	50
Grain and bean combines	farms	-	12	49	29	11	12
number	-	(D)	49	33	11	(D)	45

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

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

Item	Chesterfield	Clarke	Craig	Culpeper	Cumberland	Dickenson	Dinwiddie	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	217	459	218	665	284	111	357	
1997	212	408	210	641	294	138	423	
\$1,000, 2002	9,883	17,803	9,084	30,763	12,650	2,137	15,403	
1997	8,605	14,254	6,698	27,995	11,829	1,989	20,367	
Average per farm	dollars, 2002	45,542	38,786	41,669	46,260	44,544	43,146	
1997	40,589	34,935	31,895	43,674	40,233	14,414	48,150	
Farms by value group:								
\$1 to \$9,999	2002	62	163	51	215	78	42	137
1997	78	89	48	142	105	70	66	
\$10,000 to \$19,999	2002	44	73	28	93	40	23	49
1997	31	74	45	214	69	33	125	
\$20,000 to \$29,999	2002	18	28	51	33	30	21	75
1997	33	88	26	75	20	12	55	
\$30,000 to \$49,999	2002	28	63	25	157	49	17	19
1997	29	83	43	86	29	23	49	
\$50,000 to \$69,999	2002	34	58	19	59	19	7	20
1997	21	29	22	64	24	-	55	
\$70,000 to \$99,999	2002	10	22	20	55	36	-	18
1997	8	14	21	14	21	-	27	
\$100,000 to \$199,999	2002	16	40	19	18	24	-	24
1997	7	25	5	12	13	-	27	
\$200,000 to \$499,999	2002	1	11	5	32	8	1	11
1997	2	6	-	29	11	-	16	
\$500,000 or more	2002	4	1	-	3	-	4	
1997	3	-	-	5	2	-	3	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	200	439	194	630	267	105	349
1997	190	385	188	534	293	110	400	
number, 2002	444	899	430	1,337	572	160	769	
1997	410	729	404	1,173	568	125	1,016	
Less than 40 horsepower (PTO)	farms, 2002	152	246	109	415	159	47	202
1997	136	167	105	349	182	49	264	
number, 2002	264	299	175	542	235	(D)	283	
1997	238	253	133	519	271	54	402	
40 to 99 horsepower (PTO)	farms, 2002	106	300	146	394	179	72	251
1997	99	279	161	390	176	68	282	
number, 2002	159	518	243	702	291	96	384	
1997	152	417	262	(D)	258	71	456	
100 horsepower (PTO) or more	farms, 2002	11	60	6	50	30	9	53
1997	15	44	9	43	26	-	104	
number, 2002	21	82	12	93	46	(D)	102	
1997	20	59	9	(D)	39	-	158	
Grain and bean combines (see text)	farms, 2002	20	32	2	34	11	-	77
1997	31	42	4	26	6	-	112	
number, 2002	22	33	(D)	38	11	-	81	
1997	34	51	4	29	6	-	119	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	7
1997	-	-	-	-	-	-	-	9
number, 2002	-	-	-	-	-	-	-	10
1997	-	-	-	-	-	-	-	11
Forage harvesters, self-propelled (see text)	farms, 2002	6	11	3	13	4	-	9
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	6	12	6	15	4	-	9	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	65	187	123	237	123	53	93
1997	52	146	126	206	133	52	102	
number, 2002	72	252	182	314	146	65	117	
1997	57	232	164	305	170	61	137	
<b>2002 INVENTORY</b>								
Manufactured 1998 to 2002:								
Tractors	farms	45	80	52	173	90	24	46
number	51	88	81	198	114	28	61	
Less than 40 horsepower (PTO)	farms	26	20	16	55	30	1	16
number	26	22	40	55	36	(D)	16	
40 to 99 horsepower (PTO)	farms	19	58	38	107	65	18	21
number	(D)	59	41	116	72	22	23	
100 horsepower (PTO) or more	farms	2	6	-	23	5	5	15
number	(D)	7	-	27	6	(D)	22	
Grain and bean combines	farms	-	1	-	-	-	-	3
number	-	(D)	-	-	-	-	-	3
Cotton pickers and strippers	farms	-	-	-	-	-	-	2
number	-	-	-	-	-	-	-	(D)
Forage harvesters, self-propelled (see text)	farms	-	1	-	4	-	-	-
number	-	(D)	-	4	-	-	-	-
Hay balers	farms	5	24	5	51	29	6	9
number	7	31	5	58	29	6	9	
Manufactured prior to 1998:								
Tractors	farms	184	402	173	572	210	91	331
number	393	811	349	1,139	458	132	708	
Less than 40 horsepower (PTO)	farms	140	226	99	394	134	46	187
number	238	277	135	487	199	(D)	267	
40 to 99 horsepower (PTO)	farms	91	263	119	320	133	58	243
number	(D)	459	202	586	219	74	361	
100 horsepower (PTO) or more	farms	11	55	6	39	29	4	48
number	(D)	75	12	66	40	(D)	80	
Grain and bean combines	farms	20	31	2	34	11	-	74
number	22	(D)	(D)	38	11	-	78	

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**Table 38. Machinery and Equipment on Operation: 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
<b>VALUE OF MACHINERY AND EQUIPMENT</b>							
Estimated market value of all machinery and equipment							
farms, 2002	120	146	1,272	814	294	1,011	721
1997	130	169	1,248	874	318	1,071	703
\$1,000, 2002	12,040	5,412	58,262	26,159	12,951	47,536	27,545
1997	12,588	5,466	58,268	35,542	12,940	46,240	26,125
Average per farm	100,335	37,067	45,803	32,136	44,052	47,019	38,203
1997	96,833	32,343	46,689	40,666	40,691	43,175	37,162
Farms by value group:							
\$1 to \$9,999	36	69	188	246	47	263	195
1997	15	35	291	208	100	197	161
\$10,000 to \$19,999	11	14	252	172	70	189	117
1997	29	29	269	201	50	158	208
\$20,000 to \$29,999	12	9	254	66	66	119	129
1997	10	43	174	126	38	213	82
\$30,000 to \$49,999	4	22	293	186	39	199	116
1997	34	43	149	119	18	251	116
\$50,000 to \$69,999	14	16	128	39	20	50	45
1997	6	6	172	105	18	99	38
\$70,000 to \$99,999	8	1	22	58	31	24	46
1997	3	4	38	45	68	48	43
\$100,000 to \$199,999	16	9	94	34	11	125	61
1997	6	6	91	9	22	69	43
\$200,000 to \$499,999	14	5	35	13	9	36	11
1997	22	3	61	60	4	32	10
\$500,000 or more	5	-	6	-	1	6	1
1997	5	-	3	1	-	4	2
<b>SELECTED MACHINERY AND EQUIPMENT</b>							
Tractors							
farms, 2002	117	123	1,205	776	271	1,011	684
1997	122	141	1,120	786	280	1,019	663
number, 2002	307	215	2,372	1,438	589	2,112	1,597
1997	315	271	2,181	1,387	593	1,912	1,504
Less than 40 horsepower (PTO)							
farms, 2002	64	94	748	486	166	622	436
1997	46	88	686	478	155	538	342
number, 2002	79	130	1,003	608	217	723	599
1997	59	135	943	628	249	670	539
40 to 99 horsepower (PTO)							
farms, 2002	92	60	789	512	213	742	448
1997	109	66	672	540	198	751	512
number, 2002	138	81	1,157	755	350	1,190	917
1997	156	105	954	682	326	1,084	881
100 horsepower (PTO) or more							
farms, 2002	41	4	149	51	17	141	70
1997	52	25	212	72	12	111	70
number, 2002	90	4	212	75	22	199	81
1997	100	31	284	77	18	158	84
Grain and bean combines (see text)							
farms, 2002	47	2	33	-	5	35	24
1997	64	1	72	9	17	56	23
number, 2002	57	(D)	40	-	5	35	24
1997	87	(D)	79	10	21	59	23
Cotton pickers and strippers							
farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)							
farms, 2002	1	2	42	3	1	25	13
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	(D)	(D)	43	3	(D)	25	13
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers							
farms, 2002	29	20	325	324	182	512	273
1997	17	17	438	373	156	613	301
number, 2002	32	22	451	411	242	609	359
1997	23	22	596	496	238	775	372
<b>2002 INVENTORY</b>							
Manufactured 1998 to 2002:							
Tractors							
farms	38	34	457	86	53	180	150
number	50	39	606	112	56	241	175
Less than 40 horsepower (PTO)							
farms	20	23	195	59	9	55	68
number	22	24	213	72	(D)	62	(D)
40 to 99 horsepower (PTO)							
farms	12	12	329	39	43	141	82
number	12	15	367	(D)	45	156	106
100 horsepower (PTO) or more							
farms	13	-	19	1	1	18	1
number	16	-	26	(D)	(D)	23	(D)
Grain and bean combines							
farms	10	-	13	-	-	-	-
number	11	-	14	-	-	-	-
Cotton pickers and strippers							
farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)							
farms	-	-	9	-	-	6	-
number	-	-	10	-	-	6	-
Hay balers							
farms	5	-	29	59	13	56	48
number	5	-	40	59	13	56	56
Manufactured prior to 1998:							
Tractors							
farms	100	102	1,060	765	256	932	621
number	257	176	1,766	1,326	533	1,871	1,422
Less than 40 horsepower (PTO)							
farms	51	73	661	431	165	581	384
number	57	106	790	536	(D)	661	(D)
40 to 99 horsepower (PTO)							
farms	81	54	562	500	190	660	425
number	126	66	790	(D)	305	1,034	811
100 horsepower (PTO) or more							
farms	37	4	135	50	17	132	70
number	74	4	186	(D)	(D)	176	(D)
Grain and bean combines							
farms	38	2	20	-	5	35	24
number	46	(D)	26	-	5	35	24

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

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

Item	Giles	Gloucester	Goochland	Grayson	Greene	Greensville	Halifax	Hanover	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	393	137	282	888	215	109	912	679	
1997	422	136	294	1,033	235	150	1,043	600	
\$1,000, 2002	16,407	7,526	11,800	28,598	8,543	9,927	39,764	29,388	
1997	15,506	7,244	15,522	21,263	8,922	9,243	40,072	27,283	
Average per farm	dollars, 2002	41,748	54,938	41,842	32,205	39,735	43,601	43,281	
1997	36,744	53,262	52,795	20,584	37,967	61,619	38,420	45,472	
Farms by value group:									
\$1 to \$9,999	2002	76	36	65	296	60	16	294	194
1997	95	55	45	405	48	33	264	137	
\$10,000 to \$19,999	2002	68	32	61	256	35	17	143	173
1997	78	14	52	247	72	27	253	123	
\$20,000 to \$29,999	2002	101	7	41	92	36	11	98	29
1997	66	15	19	131	28	9	140	128	
\$30,000 to \$49,999	2002	63	14	45	115	26	19	104	142
1997	34	18	100	130	17	21	200	90	
\$50,000 to \$69,999	2002	24	17	11	43	17	16	117	43
1997	100	5	15	90	15	21	28	48	
\$70,000 to \$99,999	2002	9	8	43	25	21	6	41	32
1997	28	1	22	15	28	10	33	19	
\$100,000 to \$199,999	2002	40	11	12	30	16	11	78	27
1997	9	15	26	9	25	17	90	28	
\$200,000 to \$499,999	2002	12	11	3	31	3	7	34	34
1997	12	13	14	6	2	11	34	21	
\$500,000 or more	2002	1	1	1	-	-	3	5	
1997	-	-	1	-	-	1	1	6	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	380	126	281	787	204	104	900	604
1997	358	119	294	862	229	148	999	579	
number, 2002	625	301	503	1,500	435	307	2,315	1,430	
1997	597	255	607	1,516	438	369	2,420	1,220	
Less than 40 horsepower (PTO)	farms, 2002	158	85	145	445	98	48	582	374
1997	129	72	232	530	123	49	644	322	
number, 2002	175	118	182	489	153	80	916	611	
1997	165	105	316	677	148	81	1,115	456	
40 to 99 horsepower (PTO)	farms, 2002	296	73	168	503	157	85	668	410
1997	284	66	186	552	177	120	720	458	
number, 2002	429	119	258	908	262	141	1,175	666	
1997	(D)	94	(D)	796	282	200	1,114	600	
100 horsepower (PTO) or more	farms, 2002	13	36	53	100	8	43	173	96
1997	25	32	22	39	8	44	163	119	
number, 2002	21	64	63	103	20	86	224	153	
1997	(D)	56	(D)	43	8	88	191	164	
Grain and bean combines (see text)	farms, 2002	1	30	20	1	2	40	94	116
1997	1	40	11	3	6	65	199	94	
number, 2002	(D)	33	22	(D)	(D)	47	97	125	
1997	(D)	44	12	(D)	6	66	228	124	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	12	-	-
1997	-	-	-	-	-	-	12	-	-
number, 2002	-	-	-	-	-	-	15	-	-
1997	-	-	-	-	-	-	12	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	-	2	10	10	4	-	13	4
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	-	(D)	11	11	6	-	14	4	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	217	44	140	406	91	28	401	212
1997	231	27	98	447	82	42	407	217	
number, 2002	285	54	174	465	109	32	536	281	
1997	307	34	133	553	102	47	476	280	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	65	20	19	119	55	16	104	99
number	66	25	21	142	94	32	138	158	
Less than 40 horsepower (PTO)	farms	12	9	11	22	16	3	17	31
number	12	9	11	22	(D)	6	17	54	
40 to 99 horsepower (PTO)	farms	53	10	7	89	45	8	83	65
number	54	13	(D)	101	47	11	93	90	
100 horsepower (PTO) or more	farms	-	3	2	19	1	10	27	8
number	-	3	(D)	19	(D)	15	28	14	
Grain and bean combines	farms	-	8	1	-	-	6	-	21
number	-	8	(D)	-	-	-	6	-	21
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	-	-	1	1	-	-	11	-
number	-	-	(D)	(D)	-	-	(D)	-	
Hay balers	farms	23	2	12	63	18	1	48	49
number	24	(D)	12	63	18	(D)	49	62	
Manufactured prior to 1998:									
Tractors	farms	371	120	270	783	169	97	879	560
number	559	276	482	1,358	341	275	2,177	1,272	
Less than 40 horsepower (PTO)	farms	146	79	134	424	82	45	566	346
number	163	109	171	467	(D)	74	899	557	
40 to 99 horsepower (PTO)	farms	287	69	163	488	125	77	629	375
number	375	106	(D)	807	215	130	1,082	576	
100 horsepower (PTO) or more	farms	13	34	52	81	8	38	150	92
number	21	61	(D)	84	(D)	71	196	139	
Grain and bean combines	farms	1	22	20	1	2	34	94	99
number	(D)	25	(D)	(D)	(D)	41	97	104	

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**Table 38. Machinery and Equipment on Operation: 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
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	187	293	283	198	64	144	168	134
1997	194	362	343	211	74	145	163	145
\$1,000, 2002	5,958	8,140	11,557	21,582	3,220	8,402	6,357	13,561
1997	7,493	12,678	11,634	21,821	3,579	8,806	7,637	10,707
Average per farm	31,859	27,782	40,836	109,000	50,312	58,347	37,840	101,200
1997	38,621	35,021	33,920	103,417	48,366	60,731	46,855	73,844
Farms by value group:								
\$1 to \$9,999	70	85	113	23	24	56	57	18
1997	40	107	85	29	23	36	34	23
\$10,000 to \$19,999	26	81	41	49	10	18	39	19
1997	42	54	45	21	11	23	60	13
\$20,000 to \$29,999	37	47	26	12	8	17	19	12
1997	47	79	55	29	13	13	14	65
\$30,000 to \$49,999	17	46	41	14	6	12	22	17
1997	13	79	69	41	13	28	24	9
\$50,000 to \$69,999	14	10	16	18	8	4	6	17
1997	11	7	49	11	-	19	13	6
\$70,000 to \$99,999	11	7	15	15	4	16	12	19
1997	2	15	22	23	7	6	7	2
\$100,000 to \$199,999	10	9	13	27	5	7	8	14
1997	16	13	14	25	2	11	13	7
\$200,000 to \$499,999	1	8	18	32	2	12	4	10
1997	4	4	4	22	8	7	1	16
\$500,000 or more	1	-	-	8	1	2	1	4
1997	-	1	-	10	-	2	4	4
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors								
farms, 2002	179	269	263	188	60	128	155	129
1997	188	332	316	199	63	139	153	132
number, 2002	361	530	540	656	163	286	349	414
1997	382	603	583	596	135	339	319	333
Less than 40 horsepower (PTO)								
farms, 2002	127	173	149	82	42	70	88	75
1997	132	239	189	83	34	70	113	76
number, 2002	184	240	212	128	72	79	124	117
1997	184	310	248	98	58	119	165	87
40 to 99 horsepower (PTO)								
farms, 2002	91	194	185	134	39	69	117	102
1997	120	213	202	143	40	87	74	101
number, 2002	135	277	311	281	76	113	191	197
1997	172	(D)	311	296	(D)	112	(D)	(D)
100 horsepower (PTO) or more								
farms, 2002	32	13	13	95	6	52	22	44
1997	16	3	19	82	12	61	21	30
number, 2002	42	13	17	247	15	94	34	100
1997	26	(D)	24	202	(D)	108	(D)	(D)
Grain and bean combines (see text)								
farms, 2002	25	8	2	77	5	41	30	46
1997	34	15	8	110	8	42	34	55
number, 2002	34	16	(D)	84	8	51	34	54
1997	43	18	8	134	9	51	43	65
Cotton pickers and strippers								
farms, 2002	-	-	-	35	-	-	-	2
1997	-	-	-	23	-	1	-	1
number, 2002	-	-	-	35	-	-	-	(D)
1997	-	-	-	23	-	(D)	-	(D)
Forage harvesters, self-propelled (see text)								
farms, 2002	-	-	4	5	2	1	1	3
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	-	-	4	5	(D)	(D)	(D)	3
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers								
farms, 2002	53	145	133	56	19	24	60	49
1997	68	162	159	43	13	30	45	37
number, 2002	70	161	174	65	22	34	70	65
1997	89	204	216	47	13	37	69	46
<b>2002 INVENTORY</b>								
Manufactured 1998 to 2002:								
Tractors								
farms	31	27	28	27	18	17	23	38
number	38	37	49	38	41	23	24	59
Less than 40 horsepower (PTO)								
farms	21	14	5	2	11	8	-	5
number	21	(D)	5	(D)	15	8	-	10
40 to 99 horsepower (PTO)								
farms	17	22	24	11	10	4	23	32
number	17	22	37	(D)	21	4	(D)	36
100 horsepower (PTO) or more								
farms	-	1	7	18	3	8	1	9
number	-	(D)	7	25	5	11	(D)	13
Grain and bean combines								
farms	1	-	-	1	-	6	3	6
number	(D)	-	-	(D)	-	6	3	7
Cotton pickers and strippers								
farms	-	-	-	8	-	-	-	-
number	-	-	-	8	-	-	-	-
Forage harvesters, self-propelled (see text)								
farms	-	-	-	-	-	1	-	-
number	-	-	-	-	-	(D)	-	-
Hay balers								
farms	-	13	27	1	7	7	-	16
number	-	13	27	(D)	-	7	-	16
Manufactured prior to 1998:								
Tractors								
farms	160	264	257	186	49	123	145	117
number	323	493	491	618	122	263	325	355
Less than 40 horsepower (PTO)								
farms	114	168	148	81	35	66	88	72
number	163	(D)	207	(D)	57	71	124	107
40 to 99 horsepower (PTO)								
farms	77	180	171	132	31	69	100	89
number	118	255	274	(D)	55	109	(D)	161
100 horsepower (PTO) or more								
farms	32	12	6	93	3	48	22	40
number	42	(D)	10	222	10	83	(D)	87
Grain and bean combines								
farms	24	8	2	77	5	38	27	42
number	(D)	16	(D)	(D)	8	45	31	47

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

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

Item	Lancaster	Lee	Loudoun	Louisa	Lunenburg	Madison	Mathews	Mecklenburg	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	59	1,083	1,494	475	374	532	44	579	
1997	78	1,275	1,334	465	400	513	72	692	
\$1,000, 2002	4,189	35,857	58,063	19,658	14,642	23,814	1,745	34,020	
1997	4,087	35,606	56,408	20,091	14,693	21,732	2,644	36,169	
Average per farm	dollars, 2002	71,005	33,109	38,864	41,385	39,150	44,763	39,665	58,756
1997	52,396	27,926	42,285	43,206	36,733	42,363	36,724	52,267	
Farms by value group:									
\$1 to \$9,999	2002	19	343	563	127	126	165	14	204
1997	41	241	384	149	115	102	22	127	
\$10,000 to \$19,999	2002	4	273	220	89	45	141	13	55
1997	11	435	274	77	113	120	22	159	
\$20,000 to \$29,999	2002	5	124	276	39	71	53	2	7
1997	4	206	185	54	50	60	4	97	
\$30,000 to \$49,999	2002	6	182	191	89	69	39	5	82
1997	2	158	205	83	40	102	11	122	
\$50,000 to \$69,999	2002	5	52	84	51	15	35	5	113
1997	5	108	82	21	20	54	1	51	
\$70,000 to \$99,999	2002	6	31	34	45	15	22	1	12
1997	4	104	40	16	17	37	6	41	
\$100,000 to \$199,999	2002	2	57	77	20	11	45	1	76
1997	5	14	95	47	33	17	3	57	
\$200,000 to \$499,999	2002	9	20	38	15	22	27	3	23
1997	9	8	66	18	12	19	3	30	
\$500,000 or more	2002	-	1	11	-	-	5	7	
1997	-	1	3	-	-	2	-	8	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	59	1,055	1,373	426	330	476	39	577
1997	64	1,193	1,221	430	386	460	69	656	
number, 2002	127	1,799	2,331	945	853	804	145	1,698	
1997	152	1,999	2,417	914	869	876	158	1,678	
Less than 40 horsepower (PTO)	farms, 2002	30	415	1,009	253	249	160	28	410
1997	33	524	894	302	227	201	44	461	
number, 2002	37	504	1,234	340	414	178	79	618	
1997	41	636	1,159	441	400	239	62	770	
40 to 99 horsepower (PTO)	farms, 2002	33	874	636	333	227	372	26	402
1997	45	906	705	298	284	383	41	444	
number, 2002	55	1,286	891	548	387	572	50	898	
1997	75	1,310	1,021	(D)	428	546	(D)	770	
100 horsepower (PTO) or more	farms, 2002	20	5	131	45	36	28	9	126
1997	23	42	160	30	27	66	13	112	
number, 2002	35	9	206	57	52	54	16	182	
1997	36	53	237	(D)	41	91	(D)	138	
Grain and bean combines (see text)	farms, 2002	30	-	29	47	35	31	15	56
1997	30	14	74	41	18	30	14	142	
number, 2002	35	-	30	51	35	36	19	64	
1997	33	14	80	56	19	36	19	160	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	
1997	1	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	(D)	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	1	55	20	12	15	19	-	73
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	(D)	55	20	12	15	22	-	74	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	6	694	240	224	191	199	18	295
1997	7	532	399	176	154	152	21	384	
number, 2002	6	784	286	271	243	297	25	350	
1997	8	662	591	260	172	210	27	478	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	7	151	291	105	47	94	3	140
number	12	164	466	132	60	119	(D)	189	
Less than 40 horsepower (PTO)	farms	2	25	211	46	25	39	1	32
number	(D)	25	218	46	25	39	(D)	34	
40 to 99 horsepower (PTO)	farms	4	134	118	68	18	58	2	117
number	6	139	178	79	24	74	(D)	140	
100 horsepower (PTO) or more	farms	3	-	28	6	9	5	-	11
number	(D)	-	70	7	11	6	-	15	
Grain and bean combines	farms	4	-	3	2	-	2	-	-
number	6	-	3	(D)	-	(D)	-	-	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	1	-	-	-	2	1	-	
number	(D)	-	-	-	(D)	(D)	-	-	
Hay balers	farms	1	48	91	58	24	26	2	22
number	(D)	54	97	58	24	28	(D)	24	
Manufactured prior to 1998:									
Tractors	farms	53	964	1,189	380	306	416	39	521
number	115	1,635	1,865	813	793	685	(D)	1,509	
Less than 40 horsepower (PTO)	farms	28	390	827	236	226	121	28	400
number	(D)	479	1,016	294	389	139	(D)	584	
40 to 99 horsepower (PTO)	farms	29	766	546	288	219	342	26	338
number	49	1,147	713	469	363	498	(D)	758	
100 horsepower (PTO) or more	farms	18	5	110	39	29	26	9	122
number	(D)	9	136	50	41	48	16	167	
Grain and bean combines	farms	26	-	27	45	35	29	15	56
number	29	-	27	(D)	35	(D)	19	64	

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**Table 38. Machinery and Equipment on Operation: 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	Northumber-land	Nottoway	Orange	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	103	632	437	98	177	126	407	466	
1997	78	638	436	77	164	130	368	523	
\$1,000, 2002	5,509	24,195	11,899	5,500	17,533	14,136	13,471	24,353	
1997	5,813	22,098	11,510	3,481	15,500	12,666	14,077	22,779	
Average per farm	dollars, 2002	53,489	38,283	27,229	56,118	99,056	112,190	33,097	
1997	74,527	34,637	26,400	45,205	94,509	97,430	38,253	43,554	
<b>Farms by value group:</b>									
\$1 to \$9,999	2002	40	188	124	23	57	35	110	124
1997	29	189	67	25	51	44	97	111	
\$10,000 to \$19,999	2002	15	114	66	15	13	19	63	40
1997	13	123	113	14	9	23	95	118	
\$20,000 to \$29,999	2002	13	131	82	10	27	9	103	116
1997	12	110	115	7	12	2	52	61	
\$30,000 to \$49,999	2002	8	43	122	20	21	13	82	32
1997	1	76	105	13	16	6	33	75	
\$50,000 to \$69,999	2002	5	35	22	11	3	3	20	59
1997	7	75	15	7	9	21	32	44	
\$70,000 to \$99,999	2002	8	61	5	1	11	13	5	27
1997	1	12	10	3	20	8	10	70	
\$100,000 to \$199,999	2002	4	39	13	13	17	11	13	43
1997	4	48	6	4	26	5	39	32	
\$200,000 to \$499,999	2002	10	20	3	3	14	15	11	22
1997	9	3	5	3	20	15	10	11	
\$500,000 or more	2002	1	1	-	2	8	3	3	
1997	2	2	-	1	7	6	-	1	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	95	566	432	96	150	113	404	463
1997	73	488	435	75	144	126	336	431	
number, 2002	283	1,175	853	281	548	308	936	930	
1997	178	967	786	178	453	287	721	732	
Less than 40 horsepower (PTO)	farms, 2002	65	315	282	69	90	51	221	207
1997	39	249	228	49	84	49	210	242	
number, 2002	95	371	358	107	123	63	320	235	
1997	58	312	302	75	119	59	329	305	
40 to 99 horsepower (PTO)	farms, 2002	61	400	299	53	100	75	278	348
1997	48	363	267	48	111	95	244	257	
number, 2002	126	737	469	120	256	112	514	597	
1997	81	(D)	426	69	203	(D)	(D)	391	
100 horsepower (PTO) or more	farms, 2002	28	53	18	29	61	56	74	70
1997	24	37	58	18	60	54	11	21	
number, 2002	62	67	26	54	169	133	102	98	
1997	39	(D)	58	34	131	(D)	(D)	36	
Grain and bean combines (see text)	farms, 2002	27	2	5	25	67	70	25	46
1997	34	11	-	19	65	64	56	33	
number, 2002	35	(D)	5	32	87	82	25	48	
1997	41	12	-	24	82	75	58	33	
Cotton pickers and strippers	farms, 2002	-	-	-	-	4	-	-	-
1997	-	-	-	2	7	1	-	-	
number, 2002	-	-	-	-	4	-	-	-	
1997	-	-	-	(D)	7	(D)	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	1	6	14	-	15	2	5	6
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	(D)	6	14	-	15	(D)	5	7	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	34	281	285	39	16	18	187	170
1997	20	338	155	19	7	14	173	210	
number, 2002	43	427	324	55	17	22	217	239	
1997	26	462	177	25	7	17	230	253	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	farms	18	65	63	20	26	17	70	117
number	20	204	67	28	48	29	85	136	
Less than 40 horsepower (PTO)	farms	5	5	25	8	4	2	27	15
number	(D)	12	(D)	(D)	9	(D)	27	16	
40 to 99 horsepower (PTO)	farms	11	57	39	13	4	3	49	105
number	11	175	41	16	7	(D)	49	111	
100 horsepower (PTO) or more	farms	2	17	1	1	20	13	7	7
number	(D)	17	(D)	(D)	32	24	9	9	
Grain and bean combines	farms	1	-	-	2	3	10	-	2
number	(D)	-	-	(D)	3	10	-	(D)	
Cotton pickers and strippers	farms	-	-	-	-	2	-	-	-
number	-	-	-	-	(D)	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	1	-	-	4	-	-	-
number	-	(D)	-	-	4	-	-	-	
Hay balers	farms	4	33	1	5	-	1	9	31
number	4	34	(D)	5	-	(D)	9	31	
<b>Manufactured prior to 1998:</b>									
Tractors	farms	94	558	406	86	143	110	394	432
number	263	971	786	253	500	279	851	794	
Less than 40 horsepower (PTO)	farms	63	315	257	61	88	49	208	197
number	(D)	359	(D)	(D)	114	(D)	293	219	
40 to 99 horsepower (PTO)	farms	55	381	280	46	99	72	243	315
number	115	562	428	104	249	(D)	465	486	
100 horsepower (PTO) or more	farms	28	41	18	29	52	53	72	69
number	(D)	50	(D)	(D)	137	109	93	89	
Grain and bean combines	farms	26	2	5	23	65	60	25	44
number	(D)	(D)	5	(D)	84	72	25	(D)	

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

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

Item	Page	Patrick	Pittsylvania	Powhatan	Prince Edward	Prince George	Prince William	Pulaski	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment	farms, 2002	540	602	1,301	229	395	216	328	449
	1997	631	662	1,439	260	360	166	346	451
	\$1,000, 2002	25,744	22,716	67,643	9,111	13,563	9,650	11,427	20,914
	1997	25,086	22,738	62,638	8,169	10,967	7,463	13,059	17,074
Average per farm	dollars, 2002	47,675	37,735	51,993	39,786	34,336	44,675	34,838	46,580
	1997	39,755	34,348	43,529	31,418	30,463	44,960	37,744	37,859
Farms by value group:									
\$1 to \$9,999	2002	152	199	367	55	115	78	82	74
	1997	96	163	275	78	85	57	103	154
\$10,000 to \$19,999	2002	65	99	182	48	70	38	73	96
	1997	117	115	354	55	90	22	96	31
\$20,000 to \$29,999	2002	73	44	202	34	57	40	72	55
	1997	177	144	260	23	56	16	64	79
\$30,000 to \$49,999	2002	75	103	177	33	72	21	25	120
	1997	133	142	153	58	72	27	24	94
\$50,000 to \$69,999	2002	47	77	54	21	41	17	58	19
	1997	28	10	140	21	31	18	7	14
\$70,000 to \$99,999	2002	43	27	121	19	10	2	2	40
	1997	13	46	102	11	2	8	23	39
\$100,000 to \$199,999	2002	61	32	125	12	22	10	10	19
	1997	57	20	108	11	20	13	20	34
\$200,000 to \$499,999	2002	23	21	63	5	8	5	4	25
	1997	7	22	41	3	4	4	4	1
\$500,000 or more	2002	1	-	10	2	-	5	2	1
	1997	3	-	6	-	-	1	4	2
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	499	527	1,188	224	375	196	313	439
	1997	546	618	1,334	243	342	160	306	398
	number, 2002	1,088	1,134	3,678	529	783	420	611	845
	1997	1,146	1,062	3,057	507	800	311	589	755
Less than 40 horsepower (PTO)	farms, 2002	240	242	818	133	243	124	207	158
	1997	370	341	871	151	234	97	187	210
	number, 2002	336	322	1,699	209	355	144	300	243
	1997	502	419	1,443	222	407	109	235	331
40 to 99 horsepower (PTO)	farms, 2002	387	369	939	152	238	117	187	392
	1997	348	398	1,007	170	231	98	218	284
	number, 2002	659	728	1,744	256	352	209	262	564
	1997	563	(D)	1,486	258	364	165	(D)	387
100 horsepower (PTO) or more	farms, 2002	59	64	164	47	54	41	34	28
	1997	59	37	104	20	19	23	44	26
	number, 2002	93	84	235	64	76	67	49	38
	1997	81	(D)	128	27	29	37	(D)	37
Grain and bean combines (see text)	farms, 2002	45	3	172	12	4	53	17	3
	1997	64	15	267	23	46	42	19	10
	number, 2002	45	3	189	12	5	54	17	4
	1997	64	21	288	23	59	47	20	13
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
	1997	-	-	-	-	-	-	-	-
	number, 2002	-	-	-	-	-	-	-	-
	1997	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	18	9	36	5	7	5	5	5
	1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	number, 2002	18	18	36	6	7	5	5	5
	1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers	farms, 2002	306	318	680	110	137	67	112	287
	1997	267	290	651	126	157	47	155	258
	number, 2002	381	420	927	137	177	85	133	396
	1997	375	390	833	156	228	57	199	364
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	55	82	272	51	79	28	82	52
	number	76	134	392	54	89	51	111	64
Less than 40 horsepower (PTO)	farms	29	21	56	19	39	9	56	10
	number	30	22	90	19	(D)	11	79	10
40 to 99 horsepower (PTO)	farms	23	63	225	28	48	21	26	39
	number	41	105	266	29	48	28	32	49
100 horsepower (PTO) or more	farms	4	6	30	6	2	8	-	4
	number	5	7	36	6	(D)	12	-	5
Grain and bean combines	farms	-	-	-	-	-	6	-	-
	number	-	-	-	-	-	6	-	-
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
	number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	-	-	2	3	-	-	1	1
	number	-	-	(D)	(D)	-	-	(D)	(D)
Hay balers	farms	20	50	94	13	21	13	22	53
	number	21	50	102	13	21	13	22	53
Manufactured prior to 1998:									
Tractors	farms	475	483	1,086	202	339	193	280	411
	number	1,012	1,000	3,286	475	694	369	500	781
Less than 40 horsepower (PTO)	farms	213	221	777	116	216	117	163	148
	number	306	300	1,609	190	(D)	133	221	233
40 to 99 horsepower (PTO)	farms	378	343	831	144	200	114	169	373
	number	618	623	1,478	227	304	181	230	515
100 horsepower (PTO) or more	farms	57	58	155	43	53	40	34	27
	number	88	77	199	58	(D)	55	49	33
Grain and bean combines	farms	45	3	172	12	4	47	17	3
	number	45	3	189	12	5	48	17	4

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**Table 38. Machinery and Equipment on Operation: 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	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	424	138	292	757	2,020	1,078	1,460	968	
1997	414	160	351	762	2,130	1,197	1,653	1,015	
\$1,000, 2002	13,456	11,404	9,436	22,426	114,992	29,752	39,868	33,873	
1997	16,689	10,923	8,800	20,571	94,370	29,365	43,737	31,843	
Average per farm	dollars, 2002	31,735	82,639	32,314	29,624	56,927	27,599	34,993	
1997	40,312	68,270	25,072	26,995	44,305	24,533	26,459	31,372	
Farms by value group:									
\$1 to \$9,999	2002	133	24	110	261	512	315	488	309
1997	22	30	68	243	761	319	436	260	
\$10,000 to \$19,999	2002	94	14	67	191	327	235	371	251
1997	97	20	68	232	326	369	440	289	
\$20,000 to \$29,999	2002	55	25	33	60	191	298	200	108
1997	141	4	158	86	240	142	283	143	
\$30,000 to \$49,999	2002	53	10	39	119	259	48	175	87
1997	37	38	16	78	207	203	301	118	
\$50,000 to \$69,999	2002	53	29	-	36	141	54	95	79
1997	62	23	25	76	142	85	98	103	
\$70,000 to \$99,999	2002	15	6	18	26	257	64	27	12
1997	30	7	12	19	167	61	37	39	
\$100,000 to \$199,999	2002	12	11	9	50	217	41	73	102
1997	20	22	2	16	202	37	34	45	
\$200,000 to \$499,999	2002	9	16	16	13	94	4	31	17
1997	3	14	2	12	76	1	23	18	
\$500,000 or more	2002	-	3	-	1	22	-	3	
1997	2	2	-	-	9	-	1	-	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	364	138	287	736	1,873	1,006	1,338	919
1997	388	148	330	665	1,974	1,068	1,519	989	
number, 2002	741	442	511	1,501	4,432	1,701	2,129	1,871	
1997	790	409	539	1,333	3,846	1,691	2,470	2,020	
Less than 40 horsepower (PTO)	farms, 2002	230	76	198	470	938	528	671	584
1997	169	82	186	428	1,069	545	834	534	
number, 2002	317	126	242	621	1,262	669	798	724	
1997	235	124	244	605	1,332	613	1,046	780	
40 to 99 horsepower (PTO)	farms, 2002	244	128	188	468	1,301	707	934	598
1997	305	105	206	458	1,314	772	1,012	698	
number, 2002	373	235	257	785	2,467	970	1,304	1,013	
1997	494	202	273	661	2,152	1,049	1,331	1,144	
100 horsepower (PTO) or more	farms, 2002	41	48	12	67	477	59	27	65
1997	60	51	20	47	270	29	68	83	
number, 2002	51	81	12	95	703	62	27	134	
1997	61	83	22	67	362	29	93	96	
Grain and bean combines (see text)	farms, 2002	1	70	5	42	80	3	2	43
1997	-	74	2	28	89	13	23	60	
number, 2002	(D)	80	5	42	82	3	(D)	43	
1997	-	96	(D)	28	94	13	23	67	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	2	2	-	18	114	-	14	7
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	(D)	(D)	-	18	117	-	14	11	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	182	42	120	393	848	490	791	492
1997	168	23	120	324	895	594	613	484	
number, 2002	214	51	182	526	1,058	581	992	645	
1997	211	28	154	409	1,147	753	810	697	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	104	18	13	62	365	205	228	100
number	144	31	13	69	428	251	256	110	
Less than 40 horsepower (PTO)	farms	64	11	7	40	87	77	55	18
number	71	11	7	40	89	79	55	18	
40 to 99 horsepower (PTO)	farms	49	8	6	22	259	130	191	82
number	61	9	6	23	273	168	201	87	
100 horsepower (PTO) or more	farms	12	9	-	3	58	4	-	4
number	12	11	-	6	66	4	-	5	
Grain and bean combines	farms	-	4	-	-	3	-	-	-
number	-	4	-	-	-	3	-	-	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	-	-	1	6	-	-	
number	-	-	-	(D)	6	-	-	-	
Hay balers	farms	8	10	-	28	177	48	126	32
number	8	10	-	29	177	62	126	34	
Manufactured prior to 1998:									
Tractors	farms	335	135	274	682	1,815	914	1,203	877
number	597	411	498	1,432	4,004	1,450	1,873	1,761	
Less than 40 horsepower (PTO)	farms	197	69	191	431	875	452	616	566
number	246	115	235	581	1,173	590	743	706	
40 to 99 horsepower (PTO)	farms	213	126	182	452	1,249	634	790	573
number	312	226	251	762	2,194	802	1,103	926	
100 horsepower (PTO) or more	farms	30	44	12	67	447	58	27	62
number	39	70	12	89	637	58	27	129	
Grain and bean combines	farms	1	66	5	42	77	3	2	43
number	(D)	76	5	42	79	3	(D)	43	

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

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

Item	Smyth	Southampton	Spotsylvania	Stafford	Surry	Sussex	Tazewell	Warren	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	834	265	357	226	117	126	518	363	
1997	917	304	313	213	133	153	613	329	
\$1,000, 2002	31,593	35,298	12,937	8,885	10,134	12,317	18,002	11,419	
1997	24,945	37,101	11,170	8,165	12,588	11,845	17,927	12,651	
Average per farm	dollars, 2002	37,882	133,200	36,238	39,315	86,615	97,757	34,753	31,456
1997	27,203	122,043	35,686	38,335	94,648	77,418	29,245	38,454	
Farms by value group:									
\$1 to \$9,999	2002	317	34	66	74	16	24	186	105
1997	307	55	59	52	21	31	165	94	
\$10,000 to \$19,999	2002	123	19	106	50	30	13	114	84
1997	209	57	79	14	17	36	130	42	
\$20,000 to \$29,999	2002	80	33	73	23	6	24	32	52
1997	193	40	30	42	9	13	99	50	
\$30,000 to \$49,999	2002	41	45	35	30	7	9	75	33
1997	103	11	70	67	35	8	82	58	
\$50,000 to \$69,999	2002	118	11	23	11	10	10	31	30
1997	45	8	48	19	7	11	80	14	
\$70,000 to \$99,999	2002	75	16	32	9	18	3	38	39
1997	22	27	19	1	11	11	38	47	
\$100,000 to \$199,999	2002	69	46	12	18	18	25	20	19
1997	23	41	3	10	26	3	23	15	14
\$200,000 to \$499,999	2002	10	44	9	11	8	13	22	1
1997	11	50	2	7	12	18	4	10	
\$500,000 or more	2002	1	17	1	-	4	5	-	-
1997	4	15	3	1	5	2	-	-	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	764	242	357	208	112	120	498	337
1997	863	272	306	182	132	133	564	282	
number, 2002	1,535	887	752	468	385	396	904	612	
1997	1,372	766	632	375	446	412	982	536	
Less than 40 horsepower (PTO)	farms, 2002	283	92	213	135	45	79	277	196
1997	440	83	215	136	46	72	277	172	
number, 2002	480	147	335	169	65	106	359	260	
1997	585	102	289	175	81	104	348	275	
40 to 99 horsepower (PTO)	farms, 2002	600	173	219	179	91	84	339	189
1997	542	203	205	132	106	97	394	172	
number, 2002	927	354	360	273	186	146	512	314	
1997	702	326	(D)	183	230	179	(D)	244	
100 horsepower (PTO) or more	farms, 2002	97	145	39	11	57	59	29	20
1997	71	113	28	10	58	56	14	10	
number, 2002	128	386	57	26	134	144	33	38	
1997	85	338	(D)	17	135	129	(D)	17	
Grain and bean combines (see text)	farms, 2002	5	114	23	21	65	50	1	8
1997	14	106	53	9	64	70	10	7	
number, 2002	5	117	28	21	77	58	(D)	8	
1997	14	117	66	12	75	97	11	7	
Cotton pickers and strippers	farms, 2002	-	55	-	-	7	14	-	-
1997	-	69	-	-	8	8	-	-	
number, 2002	-	55	-	-	7	15	-	-	
1997	-	72	-	-	8	9	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	24	1	3	1	-	-	10	-
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	25	(D)	3	(D)	-	-	12	-	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	394	51	178	114	32	41	240	121
1997	420	54	172	95	23	28	341	93	
number, 2002	510	59	214	149	42	49	382	180	
1997	522	78	225	122	25	30	438	114	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	141	65	78	55	19	36	94	56
number	210	100	80	66	23	41	111	80	
Less than 40 horsepower (PTO)	farms	44	25	46	16	6	15	30	35
number	(D)	28	46	(D)	6	15	30	47	
40 to 99 horsepower (PTO)	farms	96	14	32	40	11	11	62	13
number	139	17	(D)	49	13	13	62	13	
100 horsepower (PTO) or more	farms	2	36	1	1	4	12	16	10
number	(D)	55	(D)	(D)	4	13	19	20	
Grain and bean combines	farms	-	10	-	-	2	1	-	-
number	-	10	-	-	(D)	(D)	-	-	
Cotton pickers and strippers	farms	-	5	-	-	3	-	-	
number	-	5	-	-	-	3	-	-	
Forage harvesters, self-propelled (see text)	farms	-	-	-	-	-	1	-	
number	-	-	-	-	-	-	(D)	-	
Hay balers	farms	48	5	16	15	3	8	42	37
number	48	5	16	15	5	8	42	48	
Manufactured prior to 1998:									
Tractors	farms	688	210	302	198	108	110	447	291
number	1,325	787	672	402	362	355	793	532	
Less than 40 horsepower (PTO)	farms	250	67	167	123	39	64	247	162
number	(D)	119	289	(D)	59	91	329	213	
40 to 99 horsepower (PTO)	farms	522	163	202	160	84	81	285	185
number	788	337	(D)	224	173	133	450	301	
100 horsepower (PTO) or more	farms	96	133	39	10	57	55	13	10
number	(D)	331	(D)	(D)	130	131	14	18	
Grain and bean combines	farms	5	105	23	21	64	50	1	8
number	5	107	28	21	(D)	(D)	(D)	8	

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**Table 38. Machinery and Equipment on Operation: 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	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	1,784	162	129	793	45	264	242	174	
1997	2,027	182	176	878	45	249	256	185	
\$1,000, 2002	62,445	14,084	2,968	34,958	(D)	16,104	26,155	8,269	
1997	58,881	17,749	4,193	30,382	(D)	14,205	27,973	8,965	
Average per farm	dollars, 2002	35,003	86,939	23,009	44,083	(D)	61,002	108,078	
1997	29,049	97,523	23,823	34,603	(D)	57,047	109,270	48,458	
Farms by value group:									
\$1 to \$9,999	2002	637	36	51	201	20	106	53	47
1997	718	13	64	237	15	66	51	45	
\$10,000 to \$19,999	2002	419	28	10	133	10	37	57	50
1997	517	59	42	161	8	58	48	54	
\$20,000 to \$29,999	2002	158	22	16	129	6	19	31	21
1997	244	16	28	127	6	27	35	25	
\$30,000 to \$49,999	2002	203	16	40	135	2	34	18	26
1997	251	31	18	196	13	17	2	30	
\$50,000 to \$69,999	2002	83	6	5	41	-	14	5	-
1997	111	10	8	34	-	38	6	7	
\$70,000 to \$99,999	2002	120	16	4	51	2	16	8	8
1997	65	13	2	51	2	4	50	3	
\$100,000 to \$199,999	2002	119	15	3	87	2	13	27	7
1997	104	14	14	40	2	19	23	8	
\$200,000 to \$499,999	2002	42	21	-	15	3	19	28	13
1997	14	19	-	32	1	17	26	10	
\$500,000 or more	2002	3	2	-	1	-	6	7	2
1997	3	7	-	-	-	3	15	3	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors									
farms, 2002	1,679	147	125	740	34	254	235	172	
1997	1,715	161	151	779	37	216	240	148	
number, 2002	2,994	478	198	1,692	(D)	594	650	365	
1997	2,729	473	237	1,502	76	495	717	288	
Less than 40 horsepower (PTO)									
farms, 2002	1,059	85	70	429	30	142	131	100	
1997	911	113	100	463	29	143	128	70	
number, 2002	1,400	138	74	541	(D)	184	235	117	
1997	1,089	188	114	620	49	203	192	81	
40 to 99 horsepower (PTO)									
farms, 2002	901	118	76	519	14	142	141	109	
1997	1,038	119	85	577	18	111	147	90	
number, 2002	1,412	220	124	968	30	242	227	154	
1997	1,466	216	(D)	809	(D)	159	261	145	
100 horsepower (PTO) or more									
farms, 2002	111	53	-	133	-	74	85	47	
1997	154	28	8	50	1	51	137	33	
number, 2002	182	120	-	183	-	168	188	94	
1997	174	69	(D)	73	(D)	133	264	62	
Grain and bean combines (see text)									
farms, 2002	15	46	-	19	2	57	65	37	
1997	12	65	-	62	5	49	114	30	
number, 2002	15	59	-	20	(D)	71	74	47	
1997	14	93	-	62	5	66	142	51	
Cotton pickers and strippers									
farms, 2002	-	-	-	-	-	-	21	-	
1997	-	-	-	-	-	-	16	-	
number, 2002	-	-	-	-	-	-	24	-	
1997	-	-	-	-	-	-	19	-	
Forage harvesters, self-propelled (see text)									
farms, 2002	55	3	1	44	-	11	7	-	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	55	(D)	(D)	58	-	13	7	-	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers									
farms, 2002	882	22	65	497	4	69	54	14	
1997	778	25	56	394	4	33	25	10	
number, 2002	1,053	30	90	646	5	70	60	14	
1997	998	30	75	582	6	34	30	10	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors									
farms	196	11	21	150	5	29	47	21	
number	289	27	21	179	(D)	39	116	26	
Less than 40 horsepower (PTO)									
farms	29	6	2	43	2	17	28	12	
number	29	6	(D)	43	(D)	18	69	12	
40 to 99 horsepower (PTO)									
farms	161	6	19	92	3	9	9	9	
number	240	14	(D)	107	(D)	10	24	(D)	
100 horsepower (PTO) or more									
farms	16	6	-	27	-	8	17	1	
number	20	7	-	29	-	11	23	(D)	
Grain and bean combines									
farms	-	5	-	-	-	4	8	4	
number	-	7	-	-	-	5	10	4	
Cotton pickers and strippers									
farms	-	-	-	-	-	-	4	-	
number	-	-	-	-	-	-	5	-	
Forage harvesters, self-propelled (see text)									
farms	-	1	-	1	-	-	3	-	
number	-	(D)	-	(D)	-	-	3	-	
Hay balers									
farms	116	1	7	34	-	4	-	-	
number	117	(D)	7	34	-	4	-	-	
Manufactured prior to 1998:									
Tractors									
farms	1,593	144	113	683	33	244	212	166	
number	2,705	451	177	1,513	(D)	555	534	339	
Less than 40 horsepower (PTO)									
farms	1,040	80	68	398	28	126	108	89	
number	1,371	132	(D)	498	(D)	166	166	105	
40 to 99 horsepower (PTO)									
farms	819	116	66	474	13	140	137	102	
number	1,172	206	(D)	861	(D)	232	203	(D)	
100 horsepower (PTO) or more									
farms	108	52	-	110	-	74	81	47	
number	162	113	-	154	-	157	165	(D)	
Grain and bean combines									
farms	15	43	-	19	2	54	57	36	
number	15	52	-	20	(D)	66	64	43	

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**Table 38. Machinery and Equipment on Operation: 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
<b>2002 INVENTORY - Con.</b>								
Manufactured prior to 1998 - Con.								
Cotton pickers and strippers . . . . . farms	-	-	-	-	2	-	-	-
number	-	-	-	-	(D)	-	-	-
Forage harvesters, self-propelled (see text) . . . . . farms	1	5	14	-	11	2	5	6
number	(D)	(D)	14	-	11	(D)	5	7
Hay balers . . . . . farms	30	267	285	37	16	17	182	152
number	39	393	(D)	50	17	(D)	208	208
Item	Page	Patrick	Pittsylvania	Powhatan	Prince Edward	Prince George	Prince William	Pulaski
<b>2002 INVENTORY - Con.</b>								
Manufactured prior to 1998 - Con.								
Cotton pickers and strippers . . . . . farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text) . . . . . farms	18	9	34	2	7	5	4	4
number	18	18	(D)	(D)	7	5	(D)	(D)
Hay balers . . . . . farms	296	299	630	99	120	61	96	251
number	360	370	825	124	156	72	111	343
Item	Rappahannock	Richmond	Roanoke	Rockbridge	Rockingham	Russell	Scott	Shenandoah
<b>2002 INVENTORY - Con.</b>								
Manufactured prior to 1998 - Con.								
Cotton pickers and strippers . . . . . farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text) . . . . . farms	2	2	-	17	109	-	14	7
number	(D)	(D)	-	(D)	111	-	14	11
Hay balers . . . . . farms	176	33	120	373	728	456	690	476
number	206	41	182	497	881	519	866	611
Item	Smyth	Southampton	Spotsylvania	Stafford	Surry	Sussex	Tazewell	Warren
<b>2002 INVENTORY - Con.</b>								
Manufactured prior to 1998 - Con.								
Cotton pickers and strippers . . . . . farms	-	50	-	-	7	11	-	-
number	-	50	-	-	7	12	-	-
Forage harvesters, self-propelled (see text) . . . . . farms	24	1	3	1	-	-	9	-
number	25	(D)	3	(D)	-	-	(D)	-
Hay balers . . . . . farms	353	46	164	108	29	34	216	100
number	462	54	198	134	37	41	340	132
Item	Washington	Westmoreland	Wise	Wythe	York	Chesapeake City	Suffolk	Virginia Beach City
<b>2002 INVENTORY - Con.</b>								
Manufactured prior to 1998 - Con.								
Cotton pickers and strippers . . . . . farms	-	-	-	-	-	-	18	-
number	-	-	-	-	-	-	19	-
Forage harvesters, self-propelled (see text) . . . . . farms	55	2	1	43	-	11	4	-
number	55	(D)	(D)	(D)	-	13	4	-
Hay balers . . . . . farms	813	21	58	475	4	65	54	14
number	936	(D)	83	612	5	66	60	14