

**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	North Dakota	Adams	Barnes	Benson	Billings	Bottineau	Bowman	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	29,729	391	840	557	230	878	331	
1997	32,340	381	814	636	253	859	370	
\$1,000, 2002	3,695,269	40,543	97,358	75,281	17,691	102,500	34,975	
1997	3,516,814	39,089	106,561	70,235	19,402	88,623	28,471	
Average per farm	dollars, 2002	124,298	103,691	115,902	135,155	116,743	105,666	
1997	108,745	102,595	130,910	110,432	76,687	103,171	76,949	
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	7,061	109	231	79	39	230	79
1997	3,588	18	103	31	29	169	70	
\$10,000 to \$19,999	2002	2,529	33	88	99	25	15	18
1997	3,628	59	72	113	46	134	21	
\$20,000 to \$29,999	2002	2,031	14	107	50	19	89	13
1997	3,312	63	96	46	30	46	77	
\$30,000 to \$49,999	2002	2,695	40	68	28	33	67	34
1997	4,303	35	112	93	20	47	57	
\$50,000 to \$69,999	2002	2,374	27	51	30	32	78	26
1997	3,260	28	66	83	40	106	45	
\$70,000 to \$99,999	2002	2,337	20	24	23	15	88	35
1997	2,895	28	43	36	33	76	10	
\$100,000 to \$199,999	2002	4,747	85	115	112	48	113	73
1997	5,635	102	138	125	29	109	51	
\$200,000 to \$499,999	2002	4,402	51	111	114	16	167	45
1997	4,710	34	140	90	18	160	33	
\$500,000 or more	2002	1,553	12	45	22	3	31	8
1997	1,009	14	44	19	8	12	6	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	25,025	275	709	520	209	711	247
1997	29,700	368	750	568	232	721	311	
number, 2002	87,802	832	2,346	1,795	668	2,221	826	
1997	96,663	1,174	2,790	1,894	623	2,145	823	
Less than 40 horsepower (PTO)	farms, 2002	10,784	104	409	141	113	344	86
1997	13,060	184	339	191	80	337	111	
number, 2002	16,554	144	531	222	178	453	118	
1997	21,335	240	582	358	147	562	144	
40 to 99 horsepower (PTO)	farms, 2002	17,066	167	346	346	148	478	167
1997	20,939	239	605	351	210	452	238	
number, 2002	28,451	252	598	646	225	688	315	
1997	35,450	496	1,036	576	(D)	686	(D)	
100 horsepower (PTO) or more	farms, 2002	18,064	211	437	365	154	542	197
1997	20,578	260	522	480	117	462	205	
number, 2002	42,797	436	1,217	927	265	1,080	393	
1997	39,878	438	1,172	960	(D)	897	(D)	
Grain and bean combines (see text)	farms, 2002	13,744	126	398	310	69	417	129
1997	17,455	180	474	375	69	451	131	
number, 2002	18,131	169	578	418	78	491	155	
1997	23,189	232	673	529	89	542	151	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	1,493	11	3	23	28	52	38
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	1,678	13	5	25	30	53	40	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	12,043	170	263	201	145	284	171
1997	12,409	161	317	210	137	265	172	
number, 2002	14,186	212	354	232	157	330	196	
1997	15,274	253	406	237	178	304	214	
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	2,990	35	95	82	45	70	26
number	4,641	43	142	109	60	92	36	
Less than 40 horsepower (PTO)	farms	423	2	15	12	6	4	-
number	469	(D)	16	13	6	4	-	
40 to 99 horsepower (PTO)	farms	527	19	23	22	15	15	6
number	582	21	23	23	15	15	7	
100 horsepower (PTO) or more	farms	2,347	18	64	56	38	66	21
number	3,590	(D)	103	73	39	73	29	
Grain and bean combines	farms	1,291	4	42	27	3	58	3
number	1,512	7	53	30	(D)	66	3	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	94	-	1	7	4	4	4
number	98	-	(D)	7	4	5	4	
Hay balers	farms	1,710	21	20	38	42	24	18
number	1,761	22	20	40	42	24	20	
<b>Manufactured prior to 1998:</b>								
Tractors	farms	24,605	253	694	500	201	699	241
number	83,161	789	2,204	1,686	608	2,129	790	
Less than 40 horsepower (PTO)	farms	10,479	102	394	133	107	342	86
number	16,085	(D)	515	209	172	449	118	
40 to 99 horsepower (PTO)	farms	16,771	151	346	336	138	464	162
number	27,869	231	575	623	210	673	308	
100 horsepower (PTO) or more	farms	17,528	203	429	353	125	523	189
number	39,207	(D)	1,114	854	226	1,007	364	
Grain and bean combines	farms	12,818	123	362	300	68	366	127
number	16,619	162	525	388	(D)	425	152	

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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	Burke	Burleigh	Cass	Cavalier	Dickey	Divide	Dunn	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	455	918	961	591	515	532	584	
1997	508	940	1,009	699	553	565	635	
\$1,000, 2002	53,766	53,161	193,260	105,146	73,724	51,552	49,273	
1997	51,809	50,368	162,836	111,376	69,178	60,998	46,083	
Average per farm	dollars, 2002	118,168	57,910	201,103	177,912	143,154	96,901	84,372
1997	101,986	53,583	161,384	159,337	125,095	107,960	72,572	
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	60	334	176	53	119	123	106
1997	20	231	33	43	57	38	29	
\$10,000 to \$19,999	2002	44	103	77	60	51	11	39
1997	32	153	101	43	48	-	100	
\$20,000 to \$29,999	2002	86	102	38	1	38	-	42
1997	87	127	57	61	89	91	53	
\$30,000 to \$49,999	2002	34	57	61	42	30	63	69
1997	110	73	125	77	97	90	128	
\$50,000 to \$69,999	2002	58	65	54	42	54	60	89
1997	37	114	128	10	37	45	122	
\$70,000 to \$99,999	2002	35	54	69	76	21	49	54
1997	56	111	48	80	42	58	63	
\$100,000 to \$199,999	2002	59	157	118	114	78	141	109
1997	67	91	219	150	70	146	78	
\$200,000 to \$499,999	2002	59	37	252	166	89	76	72
1997	88	37	239	199	78	93	59	
\$500,000 or more	2002	20	9	116	37	35	9	4
1997	11	3	59	36	35	4	3	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	455	736	859	561	393	408	552
1997	463	900	914	659	522	514	600	
number, 2002	1,402	2,402	3,355	2,199	1,572	1,335	1,759	
1997	1,596	2,251	3,622	2,634	1,702	1,710	1,829	
Less than 40 horsepower (PTO)	farms, 2002	132	398	347	240	148	119	203
1997	203	356	532	265	223	277	295	
number, 2002	236	665	594	298	323	177	309	
1997	322	596	1,001	467	405	377	441	
40 to 99 horsepower (PTO)	farms, 2002	350	547	594	291	267	253	422
1997	315	612	558	487	373	407	404	
number, 2002	480	1,020	849	452	577	450	722	
1997	560	967	898	898	713	602	719	
100 horsepower (PTO) or more	farms, 2002	319	348	636	486	269	399	421
1997	385	450	746	533	301	444	412	
number, 2002	686	717	1,912	1,449	672	708	728	
1997	714	688	1,723	1,269	584	731	669	
Grain and bean combines (see text)	farms, 2002	183	164	730	349	221	371	218
1997	306	285	693	525	272	353	274	
number, 2002	230	249	1,025	531	274	516	281	
1997	405	325	1,075	737	362	478	309	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	22	30	3	27	33	6	83
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	27	32	4	37	47	7	97	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	193	531	268	62	234	209	442
1997	153	393	205	123	201	250	388	
number, 2002	225	570	314	79	281	257	481	
1997	189	443	264	171	251	362	463	
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	36	50	136	74	37	12	47
number	47	63	220	117	68	21	52	
Less than 40 horsepower (PTO)	farms	2	26	12	3	1	3	2
number	(D)	(D)	(D)	3	(D)	(D)	(D)	
40 to 99 horsepower (PTO)	farms	11	2	2	3	1	1	4
number	(D)	(D)	(D)	3	(D)	(D)	(D)	
100 horsepower (PTO) or more	farms	33	26	132	72	36	10	42
number	34	33	202	111	(D)	17	46	
Grain and bean combines	farms	17	17	113	40	16	9	5
number	20	17	138	48	18	15	5	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	2	-	1	8	1	5
number	-	(D)	-	(D)	8	(D)	5	
Hay balers	farms	24	85	27	1	28	7	62
number	24	87	27	(D)	28	7	64	
<b>Manufactured prior to 1998:</b>								
Tractors	farms	455	734	846	559	390	408	551
number	1,355	2,339	3,135	2,082	1,504	1,314	1,707	
Less than 40 horsepower (PTO)	farms	130	385	338	238	147	116	203
number	(D)	(D)	(D)	295	(D)	(D)	(D)	
40 to 99 horsepower (PTO)	farms	340	546	592	289	266	252	420
number	(D)	(D)	(D)	449	(D)	(D)	(D)	
100 horsepower (PTO) or more	farms	319	344	622	477	265	399	417
number	652	684	1,710	1,338	(D)	691	682	
Grain and bean combines	farms	166	148	639	320	214	366	216
number	210	232	887	483	256	501	276	

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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	Eddy	Emmons	Foster	Golden Valley	Grand Forks	Grant	Griggs	Hettinger
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	323	691	306	231	835	545	402	471
1997	308	776	297	257	845	611	381	459
\$1,000, 2002	30,118	59,015	36,169	21,635	144,469	47,624	38,698	55,580
1997	27,722	66,662	35,971	25,306	122,853	44,116	40,810	50,257
Average per farm	93,245	85,405	118,200	93,659	173,016	87,384	96,265	118,004
1997	90,007	85,904	121,114	98,467	145,389	72,203	107,114	109,492
<b>Farms by value group:</b>								
\$1 to \$9,999	96	156	79	57	295	113	138	153
1997	41	82	14	10	151	55	51	61
\$10,000 to \$19,999	26	20	22	29	60	71	14	49
1997	55	102	61	45	135	126	67	80
\$20,000 to \$29,999	27	28	19	13	56	29	33	39
1997	8	63	31	15	22	51	9	45
\$30,000 to \$49,999	36	111	27	32	42	57	64	16
1997	32	105	44	47	84	134	37	40
\$50,000 to \$69,999	32	79	28	25	61	39	19	25
1997	42	68	16	27	56	61	34	34
\$70,000 to \$99,999	16	124	15	12	30	62	31	10
1997	12	95	13	6	17	38	37	15
\$100,000 to \$199,999	42	98	50	29	91	97	39	67
1997	83	196	50	79	137	100	62	89
\$200,000 to \$499,999	36	58	60	27	121	65	47	90
1997	31	61	59	25	190	37	80	76
\$500,000 or more	12	17	6	7	79	12	17	22
1997	4	4	9	3	53	9	4	19
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors								
farms, 2002	255	554	278	179	624	480	383	306
1997	274	689	271	241	807	565	325	370
number, 2002	907	1,961	852	543	2,281	1,921	1,069	1,021
1997	952	2,626	843	640	2,558	1,662	1,274	1,054
Less than 40 horsepower (PTO)								
farms, 2002	139	225	114	74	176	151	188	169
1997	135	302	96	84	431	244	187	183
number, 2002	206	364	159	118	335	275	250	270
1997	291	735	163	123	641	360	356	246
40 to 99 horsepower (PTO)								
farms, 2002	170	419	170	127	397	394	283	213
1997	161	490	181	179	497	361	224	249
number, 2002	323	638	269	189	616	845	386	354
1997	(D)	942	286	252	671	722	(D)	368
100 horsepower (PTO) or more								
farms, 2002	155	460	176	127	428	363	185	181
1997	192	544	195	167	482	408	276	248
number, 2002	378	959	424	236	1,330	801	433	397
1997	(D)	949	394	265	1,246	580	(D)	440
Grain and bean combines (see text)								
farms, 2002	128	301	115	69	309	240	117	164
1997	170	430	129	112	454	256	200	238
number, 2002	174	329	145	80	466	288	172	196
1997	224	525	158	122	688	337	309	286
Cotton pickers and strippers								
farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)								
farms, 2002	19	28	14	22	12	82	-	32
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	23	28	14	24	12	82	-	33
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers								
farms, 2002	142	363	79	109	115	379	104	207
1997	118	367	104	108	173	361	137	177
number, 2002	176	431	87	136	472	472	110	233
1997	147	408	118	132	226	457	162	221
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors								
farms	26	41	12	25	147	48	23	63
number	27	47	16	37	234	54	27	86
Less than 40 horsepower (PTO)								
farms	3	3	1	3	23	19	-	12
number	3	3	(D)	(D)	23	19	-	13
40 to 99 horsepower (PTO)								
farms	8	11	2	2	12	12	6	9
number	8	11	(D)	(D)	12	12	6	9
100 horsepower (PTO) or more								
farms	15	30	10	22	118	21	18	48
number	16	33	(D)	28	199	23	21	64
Grain and bean combines								
farms	13	4	18	8	51	4	17	24
number	14	6	18	9	54	5	18	27
Cotton pickers and strippers								
farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)								
farms	-	1	1	4	1	2	-	3
number	-	(D)	(D)	4	(D)	(D)	-	3
Hay balers								
farms	21	45	7	25	17	78	3	33
number	21	45	7	25	17	80	3	33
<b>Manufactured prior to 1998:</b>								
Tractors								
farms	251	554	277	170	605	469	382	290
number	880	1,914	836	506	2,047	1,867	1,042	935
Less than 40 horsepower (PTO)								
farms	136	223	114	71	154	132	188	167
number	203	361	(D)	(D)	312	256	250	257
40 to 99 horsepower (PTO)								
farms	162	419	169	125	397	384	283	205
number	315	627	(D)	(D)	604	833	380	345
100 horsepower (PTO) or more								
farms	151	457	176	112	416	359	184	166
number	362	926	(D)	208	1,131	778	412	333
Grain and bean combines								
farms	116	299	110	63	281	239	102	143
number	160	323	127	71	412	283	154	169

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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	Kidder	LaMoure	Logan	McHenry	McIntosh	McKenzie	McLean	Mercer	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	550	619	435	858	480	608	898	449	
1997	531	653	415	952	535	702	1,040	497	
\$1,000, 2002	48,925	87,074	40,912	70,084	42,117	73,775	105,237	32,488	
1997	42,430	83,520	44,025	59,581	38,238	63,074	99,216	33,719	
Average per farm	dollars, 2002	88,955	140,669	94,051	81,683	87,743	121,341	117,190	72,357
1997	dollars, 1997	79,906	127,903	106,084	62,585	71,473	89,849	95,400	67,845
<b>Farms by value group:</b>									
\$1 to \$9,999	2002	94	191	151	279	134	156	265	65
1997	51	97	36	205	77	25	25	57	
\$10,000 to \$19,999	2002	81	19	31	32	43	19	61	62
1997	39	1	15	169	59	128	111	66	
\$20,000 to \$29,999	2002	45	62	39	60	23	42	48	
1997	47	44	100	163	116	23	92	98	
\$30,000 to \$49,999	2002	83	33	20	119	39	118	70	
1997	84	91	59	104	38	90	239	77	
\$50,000 to \$69,999	2002	52	33	20	94	59	23	53	34
1997	98	89	38	79	59	80	117	88	
\$70,000 to \$99,999	2002	40	53	43	61	36	56	111	40
1997	68	43	29	34	42	145	120	40	
\$100,000 to \$199,999	2002	104	82	52	130	77	70	162	96
1997	94	163	65	139	102	155	194	36	
\$200,000 to \$499,999	2002	37	104	69	66	61	95	84	28
1997	49	99	44	46	38	42	125	25	
\$500,000 or more	2002	14	42	10	17	8	29	49	6
1997	1	26	29	13	4	14	17	10	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	500	437	291	675	373	533	671	426
1997	489	637	411	813	412	658	1,011	433	
number, 2002	1,720	1,701	1,073	2,228	1,276	1,750	2,692	1,327	
1997	1,710	2,255	1,294	2,623	1,116	2,184	3,077	1,231	
Less than 40 horsepower (PTO)	farms, 2002	232	207	92	259	130	288	283	207
1997	206	324	162	394	148	319	446	125	
number, 2002	376	324	179	334	165	426	506	251	
1997	370	544	286	575	181	530	723	232	
40 to 99 horsepower (PTO)	farms, 2002	364	251	227	463	284	392	522	329
1997	341	401	330	683	313	487	734	329	
number, 2002	677	389	372	941	493	595	928	617	
1997	663	704	527	1,216	498	837	1,240	615	
100 horsepower (PTO) or more	farms, 2002	319	397	219	467	271	403	517	272
1997	374	546	287	459	279	430	613	236	
number, 2002	667	988	522	953	618	729	1,258	459	
1997	677	1,007	481	832	437	817	1,114	384	
Grain and bean combines (see text)	farms, 2002	180	292	143	332	178	289	455	118
1997	286	412	204	611	254	351	611	184	
number, 2002	224	401	165	401	233	345	615	127	
1997	366	549	259	501	321	432	833	218	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	54	24	22	50	21	68	70	42
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	54	32	22	50	30	72	74	42	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	391	206	217	356	229	362	428	272
1997	276	295	225	398	192	358	490	255	
number, 2002	434	236	259	380	266	432	489	308	
1997	314	385	245	434	238	430	618	324	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	farms	65	93	53	37	20	56	85	20
number	89	130	69	44	35	71	132	28	
Less than 40 horsepower (PTO)	farms	9	20	8	13	4	2	18	1
number	9	(D)	8	13	4	(D)	18	(D)	
40 to 99 horsepower (PTO)	farms	38	2	5	-	3	5	20	4
number	38	(D)	6	-	4	(D)	21	(D)	
100 horsepower (PTO) or more	farms	27	73	44	25	18	51	68	15
number	42	97	55	31	27	63	93	22	
Grain and bean combines	farms	21	40	13	10	10	24	25	4
number	22	43	14	12	11	24	34	4	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	2	-	2	3	1	5	7	12
number	(D)	-	(D)	3	(D)	5	7	12	
Hay balers	farms	155	36	58	49	28	51	42	26
number	163	37	59	50	29	53	42	26	
<b>Manufactured prior to 1998:</b>									
Tractors	farms	481	413	288	674	372	530	656	425
number	1,631	1,571	1,004	2,184	1,241	1,679	2,560	1,299	
Less than 40 horsepower (PTO)	farms	223	196	90	246	126	286	273	206
number	367	(D)	171	321	(D)	(D)	488	(D)	
40 to 99 horsepower (PTO)	farms	341	250	224	463	283	389	509	326
number	639	(D)	366	941	489	(D)	907	(D)	
100 horsepower (PTO) or more	farms	306	374	208	464	269	379	497	267
number	625	891	467	922	666	666	1,165	437	
Grain and bean combines	farms	161	256	133	325	168	269	433	114
number	202	358	151	389	222	321	581	123	

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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	Morton	Mountrail	Nelson	Oliver	Pembina	Pierce	Ramsey	Ransom	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
..... farms, 2002	829	674	599	288	524	464	495	508	
..... farms, 1997	949	808	507	340	654	515	563	527	
..... \$1,000, 2002	82,760	70,171	48,353	29,081	116,178	39,998	82,236	64,668	
..... farms, 1997	69,545	83,405	51,435	21,016	126,048	52,624	105,881	60,964	
Average per farm	..... dollars, 2002	99,831	104,111	80,724	100,976	221,713	86,204	166,134	127,299
..... farms, 1997	73,282	103,224	101,450	61,812	192,735	102,182	188,065	115,682	
<b>Farms by value group:</b>									
\$1 to \$9,999	..... 2002	104	111	286	24	167	165	81	191
..... 1997	124	66	55	18	101	33	26	110	
\$10,000 to \$19,999	..... 2002	89	81	48	31	21	30	39	52
..... 1997	43	104	40	61	27	24	100	35	
\$20,000 to \$29,999	..... 2002	68	30	9	12	16	12	26	31
..... 1997	234	42	68	55	20	39	8	40	
\$30,000 to \$49,999	..... 2002	74	94	18	28	41	26	65	17
..... 1997	57	114	104	44	90	87	31	61	
\$50,000 to \$69,999	..... 2002	160	67	40	64	17	29	54	46
..... 1997	118	99	37	60	47	69	38	42	
\$70,000 to \$99,999	..... 2002	24	73	43	39	40	49	15	46
..... 1997	133	143	47	48	38	75	38	65	
\$100,000 to \$199,999	..... 2002	211	126	77	48	61	77	33	29
..... 1997	163	83	75	38	99	86	115	81	
\$200,000 to \$499,999	..... 2002	73	70	60	34	76	68	138	54
..... 1997	67	144	62	16	169	98	146	75	
\$500,000 or more	..... 2002	26	2	18	8	8	44	42	
..... 1997	10	13	19	-	63	4	61	18	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	..... farms, 2002	754	589	312	276	363	392	471	400
..... farms, 1997	898	680	487	329	603	483	547	513	
..... number, 2002	2,856	1,875	1,199	1,081	1,681	1,135	1,506	1,629	
..... number, 1997	3,061	2,002	1,499	1,176	2,313	1,634	2,046	1,953	
Less than 40 horsepower (PTO)	..... farms, 2002	474	166	120	116	146	187	145	206
..... farms, 1997	430	211	145	181	348	188	309	238	
..... number, 2002	739	241	245	175	236	247	204	396	
..... number, 1997	708	328	224	350	617	312	520	478	
40 to 99 horsepower (PTO)	..... farms, 2002	614	373	226	229	223	196	313	256
..... farms, 1997	738	468	328	241	386	362	343	382	
..... number, 2002	1,040	644	347	433	315	297	450	537	
..... number, 1997	1,442	710	(D)	(D)	625	566	682	(D)	
100 horsepower (PTO) or more	..... farms, 2002	491	503	251	202	320	245	284	269
..... farms, 1997	564	544	329	213	401	384	361	313	
..... number, 2002	1,077	990	607	473	1,130	591	852	696	
..... number, 1997	911	964	(D)	(D)	1,071	756	844	(D)	
Grain and bean combines (see text)	..... farms, 2002	354	430	200	158	244	179	252	192
..... farms, 1997	529	452	257	185	363	343	362	281	
..... number, 2002	432	544	302	182	340	221	385	287	
..... number, 1997	601	557	365	209	538	437	595	388	
Cotton pickers and strippers	..... farms, 2002	-	-	-	-	-	-	-	-
..... farms, 1997	-	-	-	-	-	-	-	-	
..... number, 2002	-	-	-	-	-	-	-	-	
..... number, 1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	..... farms, 2002	82	47	2	20	9	18	4	32
..... farms, 1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
..... number, 2002	96	56	(D)	20	9	18	4	32	
..... number, 1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	..... farms, 2002	515	274	137	214	129	200	77	199
..... farms, 1997	573	297	128	225	116	207	133	229	
..... number, 2002	601	367	163	278	160	238	85	239	
..... number, 1997	748	359	139	301	153	242	160	265	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	..... farms	73	23	30	23	76	14	79	63
..... number	104	40	54	42	204	16	132	116	
Less than 40 horsepower (PTO)	..... farms	2	1	2	8	14	2	2	9
..... number	(D)	(D)	(D)	16	16	(D)	(D)	11	
40 to 99 horsepower (PTO)	..... farms	46	1	5	10	4	-	6	12
..... number	64	(D)	(D)	10	4	-	(D)	22	
100 horsepower (PTO) or more	..... farms	30	23	28	14	73	12	76	56
..... number	(D)	(D)	44	16	184	(D)	121	83	
Grain and bean combines	..... farms	16	10	22	3	31	9	79	21
..... number	16	14	29	3	41	9	90	23	
Cotton pickers and strippers	..... farms	-	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	..... farms	2	1	-	-	-	-	-	-
..... number	(D)	(D)	-	-	-	-	-	-	
Hay balers	..... farms	89	11	10	24	34	48	7	23
..... number	89	11	10	24	34	48	7	31	
<b>Manufactured prior to 1998:</b>									
Tractors	..... farms	732	580	311	264	355	391	469	399
..... number	2,752	1,835	1,145	1,039	1,477	1,119	1,374	1,513	
Less than 40 horsepower (PTO)	..... farms	473	165	118	108	135	185	143	199
..... number	(D)	(D)	(D)	159	220	(D)	(D)	385	
40 to 99 horsepower (PTO)	..... farms	588	372	224	225	220	196	310	254
..... number	976	(D)	(D)	423	311	297	(D)	515	
100 horsepower (PTO) or more	..... farms	488	494	249	194	311	240	279	257
..... number	(D)	(D)	563	457	946	(D)	731	613	
Grain and bean combines	..... farms	341	422	188	156	223	172	206	186
..... number	416	530	273	179	299	212	295	264	

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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	Renville	Richland	Rolette	Sargent	Sheridan	Sioux	Slope	Stark	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	351	811	524	466	365	164	258	744	
1997	409	959	549	485	392	194	272	852	
\$1,000, 2002	65,565	187,974	42,023	72,060	41,665	16,062	25,296	63,897	
1997	57,273	149,559	43,965	55,685	35,349	15,050	26,904	50,896	
Average per farm	dollars, 2002	186,793	231,780	80,197	154,636	114,151	97,940	85,883	
1997	140,031	155,953	80,081	114,815	90,175	77,578	98,912	59,738	
Farms by value group:									
\$1 to \$9,999	2002	39	92	169	86	47	16	50	200
1997	28	53	71	82	69	15	17	154	
\$10,000 to \$19,999	2002	35	35	53	40	41	3	17	108
1997	21	40	92	25	42	36	12	154	
\$20,000 to \$29,999	2002	18	33	45	11	28	6	33	57
1997	43	153	50	43	38	34	29	118	
\$30,000 to \$49,999	2002	12	45	55	77	46	34	27	84
1997	44	90	89	44	45	16	40	133	
\$50,000 to \$69,999	2002	21	79	32	8	3	23	34	51
1997	16	106	41	47	12	27	53	61	
\$70,000 to \$99,999	2002	39	73	13	21	52	27	23	47
1997	27	35	44	38	51	29	42	88	
\$100,000 to \$199,999	2002	65	128	83	75	63	34	41	77
1997	116	200	112	129	90	15	31	95	
\$200,000 to \$499,999	2002	100	198	61	127	75	19	26	110
1997	104	229	41	63	35	15	44	46	
\$500,000 or more	2002	22	128	13	21	10	2	7	10
1997	10	53	9	14	10	7	4	3	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	298	746	400	384	351	150	216	626
1997	389	924	517	444	387	171	224	764	
number, 2002	1,115	3,232	1,140	1,538	1,369	511	726	1,936	
1997	1,107	3,420	1,303	1,546	1,222	504	755	2,132	
Less than 40 horsepower (PTO)	farms, 2002	145	404	145	229	185	56	77	296
1997	136	459	221	150	200	70	113	351	
number, 2002	210	616	207	360	309	70	118	454	
1997	162	763	275	326	304	92	188	415	
40 to 99 horsepower (PTO)	farms, 2002	192	544	221	263	286	121	167	446
1997	198	653	345	319	283	111	188	624	
number, 2002	287	829	367	415	459	214	267	671	
1997	358	1,214	503	572	513	(D)	(D)	(D)	
100 horsepower (PTO) or more	farms, 2002	248	590	241	333	261	105	156	429
1997	332	608	282	297	249	120	146	459	
number, 2002	618	1,787	566	763	601	227	341	811	
1997	587	1,443	525	648	405	(D)	(D)	(D)	
Grain and bean combines (see text)	farms, 2002	239	537	187	277	203	38	99	307
1997	304	628	238	303	190	59	104	351	
number, 2002	263	708	233	324	251	47	128	362	
1997	363	837	319	363	235	69	125	401	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	19	2	20	3	8	22	19	62
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	19	(D)	23	(D)	9	26	21	92	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	94	260	207	161	172	131	137	392
1997	89	296	232	148	178	111	125	437	
number, 2002	104	312	272	163	172	172	167	494	
1997	107	337	275	166	270	153	161	513	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	70	213	58	58	5	19	20	76
number	93	416	66	100	6	25	33	106	
Less than 40 horsepower (PTO)	farms	7	40	4	2	3	4	1	9
number	8	41	4	(D)	3	4	(D)	9	
40 to 99 horsepower (PTO)	farms	12	36	11	8	-	9	6	30
number	12	37	11	(D)	-	9	(D)	31	
100 horsepower (PTO) or more	farms	53	172	49	57	3	10	15	46
number	73	338	51	87	3	12	25	66	
Grain and bean combines	farms	21	128	15	38	8	1	6	24
number	23	136	15	44	10	(D)	7	25	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	-	-	1	-	6	1	-
number	-	-	-	(D)	-	6	(D)	-	
Hay balers	farms	12	21	18	35	17	30	17	55
number	12	22	18	35	17	33	17	55	
Manufactured prior to 1998:									
Tractors	farms	281	729	383	379	351	150	213	592
number	1,022	2,816	1,074	1,438	1,363	486	693	1,830	
Less than 40 horsepower (PTO)	farms	139	384	141	228	182	56	76	287
number	202	575	203	(D)	306	66	(D)	445	
40 to 99 horsepower (PTO)	farms	181	518	214	256	286	120	165	417
number	275	792	356	(D)	459	205	(D)	640	
100 horsepower (PTO) or more	farms	227	552	224	326	261	104	151	412
number	545	1,449	515	676	598	215	316	745	
Grain and bean combines	farms	220	458	181	245	199	37	93	287
number	240	572	218	280	241	(D)	121	337	

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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	Steele	Stutsman	Towner	Trail	Walsh	Ward	Wells	Williams
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
..... farms, 2002	306	932	416	426	834	898	560	809
..... farms, 1997	305	1,041	452	504	806	1,260	626	890
..... \$1,000, 2002	56,213	117,457	50,645	117,522	133,252	108,994	89,518	91,527
..... dollars, 1997	57,648	115,161	56,351	93,594	116,046	118,487	87,302	84,095
Average per farm	183,704	126,027	121,743	275,874	159,774	121,374	159,854	113,135
..... 1997	189,011	110,626	124,671	185,702	143,977	94,038	139,460	94,488
Farms by value group:								
\$1 to \$9,999	15	266	136	43	236	116	142	119
..... 2002	15	266	136	43	236	116	142	119
..... 1997	28	126	61	48	145	123	8	118
\$10,000 to \$19,999	42	110	14	13	65	142	38	80
..... 2002	42	110	14	13	65	142	38	80
..... 1997	25	110	36	33	32	161	109	85
\$20,000 to \$29,999	32	93	8	28	86	37	61	47
..... 2002	32	93	8	28	86	37	61	47
..... 1997	10	140	38	26	51	90	36	57
\$30,000 to \$49,999	31	47	13	8	105	56	32	106
..... 2002	31	47	13	8	105	56	32	106
..... 1997	40	62	31	14	96	309	114	179
\$50,000 to \$69,999	8	65	17	24	3	109	15	63
..... 2002	8	65	17	24	3	109	15	63
..... 1997	6	188	52	23	74	82	33	82
\$70,000 to \$99,999	20	46	38	26	48	88	35	109
..... 2002	20	46	38	26	48	88	35	109
..... 1997	7	69	42	80	41	103	76	98
\$100,000 to \$199,999	56	120	116	80	126	196	68	149
..... 2002	56	120	116	80	126	196	68	149
..... 1997	67	162	82	90	157	188	93	149
\$200,000 to \$499,999	72	136	59	123	74	107	128	101
..... 2002	72	136	59	123	74	107	128	101
..... 1997	96	143	90	152	165	188	121	106
\$500,000 or more	30	49	15	81	91	47	41	35
..... 2002	30	49	15	81	91	47	41	35
..... 1997	26	41	20	38	45	16	36	16
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors								
..... farms, 2002	300	904	318	421	624	887	467	776
..... farms, 1997	290	972	444	441	684	1,168	594	819
..... number, 2002	1,087	2,708	1,046	1,707	2,759	2,676	1,772	2,484
..... number, 1997	1,180	2,958	1,204	1,490	2,600	3,498	1,854	2,314
Less than 40 horsepower (PTO)								
..... farms, 2002	184	395	110	197	254	287	238	304
..... farms, 1997	123	434	105	154	298	501	255	261
..... number, 2002	249	572	156	309	430	487	319	419
..... number, 1997	214	669	157	227	466	690	392	460
40 to 99 horsepower (PTO)								
..... farms, 2002	151	562	198	220	360	601	372	551
..... farms, 1997	219	646	316	267	477	755	386	641
..... number, 2002	230	954	296	334	766	932	603	858
..... number, 1997	399	1,196	402	393	768	1,214	591	848
100 horsepower (PTO) or more								
..... farms, 2002	218	493	264	343	503	685	394	512
..... farms, 1997	234	527	340	369	537	841	447	628
..... number, 2002	608	1,182	594	1,064	1,563	1,257	850	1,207
..... number, 1997	567	1,093	645	870	1,366	1,594	871	1,006
Grain and bean combines (see text)								
..... farms, 2002	201	308	261	326	373	504	320	440
..... farms, 1997	204	432	287	363	529	693	389	516
..... number, 2002	282	427	356	438	541	739	400	583
..... number, 1997	282	562	374	481	923	944	536	650
Cotton pickers and strippers								
..... farms, 2002	-	-	-	-	-	-	-	-
..... farms, 1997	-	-	-	-	-	-	-	-
..... number, 2002	-	-	-	-	-	-	-	-
..... number, 1997	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)								
..... farms, 2002	5	47	-	-	2	48	1	102
..... farms, 1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... number, 2002	5	74	-	-	(D)	51	(D)	104
..... number, 1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers								
..... farms, 2002	55	362	77	71	214	345	189	299
..... farms, 1997	83	455	80	94	147	475	194	348
..... number, 2002	57	442	98	81	261	420	223	336
..... number, 1997	107	560	96	113	188	574	241	452
<b>2002 INVENTORY</b>								
Manufactured 1998 to 2002:								
Tractors								
..... farms	50	69	26	111	81	60	82	52
..... number	76	119	38	186	160	88	128	97
Less than 40 horsepower (PTO)								
..... farms	7	17	12	6	6	14	21	3
..... number	8	18	(D)	7	6	18	21	3
40 to 99 horsepower (PTO)								
..... farms	6	23	1	8	11	14	-	5
..... number	6	26	(D)	8	11	16	-	5
100 horsepower (PTO) or more								
..... farms	39	44	14	99	78	34	61	44
..... number	62	75	24	171	143	54	107	89
Grain and bean combines								
..... farms	31	30	9	34	29	42	12	32
..... number	41	40	13	39	39	56	19	41
Cotton pickers and strippers								
..... farms	-	-	-	-	-	-	-	-
..... number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)								
..... farms	-	1	-	-	-	-	-	1
..... number	-	(D)	-	-	-	-	-	(D)
Hay balers								
..... farms	4	43	2	4	16	43	34	42
..... number	(D)	55	(D)	4	16	43	34	44
Manufactured prior to 1998:								
Tractors								
..... farms	298	900	318	418	620	877	466	761
..... number	1,011	2,589	1,008	1,521	2,599	2,588	1,644	2,387
Less than 40 horsepower (PTO)								
..... farms	177	390	109	192	249	273	217	301
..... number	241	554	(D)	302	424	469	298	416
40 to 99 horsepower (PTO)								
..... farms	151	558	197	218	359	588	372	551
..... number	224	928	(D)	326	755	916	603	853
100 horsepower (PTO) or more								
..... farms	216	487	264	325	486	681	355	495
..... number	546	1,107	570	893	1,420	1,203	743	1,118
Grain and bean combines								
..... farms	174	281	254	302	356	480	313	417
..... number	241	387	343	399	502	683	381	542

--continued

