

**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	Michigan	Alcona	Alger	Allegan	Alpena	Antrim	Arenac	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	50,891	235	57	1,377	428	375	378	
1997	53,513	240	69	1,558	491	300	365	
\$1,000, 2002	3,761,334	13,320	2,455	113,502	20,058	19,330	23,372	
1997	3,318,370	11,286	2,669	106,939	20,883	13,240	28,467	
Average per farm	dollars, 2002	73,910	56,682	43,071	82,427	46,865	61,832	
1997	62,011	47,024	38,685	68,639	42,531	44,134	77,992	
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	14,606	50	18	374	107	153	145
1997	11,036	47	21	324	124	36	47	
\$10,000 to \$19,999	2002	7,922	38	5	180	65	50	65
1997	10,578	51	19	313	63	91	75	
\$20,000 to \$29,999	2002	6,070	40	8	156	88	62	25
1997	7,650	41	3	241	67	66	29	
\$30,000 to \$49,999	2002	6,005	42	11	264	46	11	40
1997	7,299	24	6	175	132	30	31	
\$50,000 to \$69,999	2002	3,783	17	2	83	61	43	16
1997	4,366	25	3	114	26	23	24	
\$70,000 to \$99,999	2002	2,876	21	4	45	28	15	16
1997	3,744	25	12	120	16	8	78	
\$100,000 to \$199,999	2002	4,515	10	8	119	15	26	43
1997	4,849	21	2	162	41	34	41	
\$200,000 to \$499,999	2002	3,831	14	1	118	8	9	17
1997	3,314	6	3	73	22	12	35	
\$500,000 or more	2002	1,283	3	-	38	10	11	
1997	677	-	-	36	-	6	5	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	47,627	224	50	1,294	401	308	369
1997	49,229	240	62	1,407	469	261	347	
number, 2002	137,474	633	151	3,936	1,093	759	1,119	
1997	129,183	533	168	3,542	1,023	516	949	
Less than 40 horsepower (PTO)	farms, 2002	27,941	135	30	809	318	184	249
1997	29,044	129	43	791	275	167	193	
number, 2002	45,749	219	53	1,540	459	261	482	
1997	44,853	195	76	1,244	395	231	299	
40 to 99 horsepower (PTO)	farms, 2002	32,722	161	42	872	245	178	227
1997	34,927	194	43	1,003	306	161	279	
number, 2002	61,456	311	77	1,639	473	399	368	
1997	59,041	290	(D)	1,583	507	(D)	460	
100 horsepower (PTO) or more	farms, 2002	15,011	60	13	388	78	43	122
1997	15,208	31	12	410	83	21	116	
number, 2002	30,269	103	21	757	161	99	269	
1997	25,289	48	(D)	715	121	(D)	190	
Grain and bean combines (see text)	farms, 2002	12,487	27	8	264	62	21	137
1997	15,845	61	15	359	157	35	111	
number, 2002	14,308	36	10	271	71	21	159	
1997	18,518	66	19	392	175	39	134	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	1,933	11	2	68	32	14	13
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	2,240	11	(D)	76	33	17	13	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	18,508	123	35	512	192	71	90
1997	19,179	152	36	534	208	83	127	
number, 2002	23,012	181	49	654	268	96	106	
1997	23,651	213	55	604	275	132	168	
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	6,979	22	5	187	80	54	43
number	11,093	58	7	306	133	66	80	
Less than 40 horsepower (PTO)	farms	3,121	6	4	89	26	48	13
number	4,125	(D)	(D)	96	51	50	13	
40 to 99 horsepower (PTO)	farms	3,065	14	-	78	69	8	20
number	4,018	49	-	90	74	9	21	
100 horsepower (PTO) or more	farms	1,768	2	1	67	6	3	27
number	2,950	(D)	(D)	120	8	7	46	
Grain and bean combines	farms	859	-	-	18	-	1	4
number	905	-	-	20	-	(D)	4	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	222	-	-	8	6	-	1
number	232	-	-	8	6	-	(D)	
Hay balers	farms	1,534	13	4	23	38	7	1
number	1,620	13	4	23	44	8	(D)	
<b>Manufactured prior to 1998:</b>								
Tractors	farms	45,213	220	49	1,270	366	282	356
number	126,381	575	144	3,630	960	693	1,039	
Less than 40 horsepower (PTO)	farms	25,737	129	26	778	298	157	236
number	41,624	(D)	(D)	1,444	408	211	469	
40 to 99 horsepower (PTO)	farms	31,191	157	42	836	205	177	213
number	57,438	262	77	1,549	399	390	347	
100 horsepower (PTO) or more	farms	14,483	60	13	376	78	42	107
number	27,319	(D)	(D)	637	153	92	223	
Grain and bean combines	farms	11,753	27	8	247	62	20	133
number	13,403	36	10	251	71	(D)	155	

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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	Baraga	Barry	Bay	Benzie	Berrien	Branch	Calhoun	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	57	957	780	158	1,063	1,093	1,125	
1997	62	1,057	817	167	1,357	1,139	1,256	
\$1,000, 2002	2,617	51,811	80,203	11,633	95,669	82,816	68,845	
1997	2,360	43,958	67,812	6,782	82,364	64,643	62,997	
Average per farm	dollars, 2002	45,908	54,139	102,824	73,625	89,999	75,769	
1997	38,067	41,587	83,001	40,612	60,696	56,754	50,157	
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	10	333	155	38	229	215	323
1997	17	347	156	32	239	328	384	
\$10,000 to \$19,999	2002	9	226	64	18	146	180	125
1997	8	208	87	48	333	218	226	
\$20,000 to \$29,999	2002	13	99	87	17	127	146	226
1997	13	105	89	16	137	183	130	
\$30,000 to \$49,999	2002	11	41	122	38	128	161	130
1997	11	194	124	34	179	72	174	
\$50,000 to \$69,999	2002	6	30	28	13	89	70	90
1997	5	48	130	11	164	71	49	
\$70,000 to \$99,999	2002	4	63	110	8	109	117	42
1997	1	83	45	5	73	66	113	
\$100,000 to \$199,999	2002	2	99	89	12	81	85	127
1997	4	31	87	15	143	105	122	
\$200,000 to \$499,999	2002	1	58	96	9	121	87	38
1997	3	33	84	6	74	85	42	
\$500,000 or more	2002	1	8	29	5	32	24	24
1997	-	8	15	-	15	11	16	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	56	835	735	137	975	988	1,110
1997	56	935	793	152	1,301	1,034	1,185	
number, 2002	143	2,030	2,561	376	3,366	3,228	3,433	
1997	133	2,128	2,546	314	3,701	2,690	2,938	
Less than 40 horsepower (PTO)	farms, 2002	28	350	448	75	649	472	693
1997	32	467	562	89	853	550	603	
number, 2002	34	478	735	98	1,328	800	1,337	
1997	47	639	858	140	1,740	786	978	
40 to 99 horsepower (PTO)	farms, 2002	48	642	462	93	742	739	820
1997	40	696	582	99	905	756	907	
number, 2002	97	1,012	923	239	1,526	1,563	1,356	
1997	(D)	1,135	1,059	153	1,547	1,338	1,492	
100 horsepower (PTO) or more	farms, 2002	9	276	381	24	272	436	350
1997	10	231	334	18	300	343	334	
number, 2002	12	540	903	39	512	865	740	
1997	(D)	354	629	21	414	566	468	
Grain and bean combines (see text)	farms, 2002	14	170	344	16	223	454	331
1997	22	203	401	27	252	431	352	
number, 2002	14	176	428	19	269	529	364	
1997	25	227	535	28	289	516	384	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	3	23	28	2	24	18	47
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	(D)	25	28	(D)	24	19	47	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	45	413	200	30	262	434	478
1997	40	373	157	35	219	396	448	
number, 2002	64	505	242	37	325	514	635	
1997	56	487	184	41	258	449	498	
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	6	80	98	30	193	58	214
number	8	157	121	32	294	77	287	
Less than 40 horsepower (PTO)	farms	-	32	60	13	55	12	131
number	-	59	62	13	57	12	131	
40 to 99 horsepower (PTO)	farms	5	22	17	17	134	23	95
number	(D)	35	20	19	189	26	110	
100 horsepower (PTO) or more	farms	1	42	27	-	31	25	24
number	(D)	63	39	-	48	39	46	
Grain and bean combines	farms	-	17	9	-	10	35	18
number	-	17	9	-	12	35	18	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	1	12	3	-	1	1	1
number	(D)	14	3	-	(D)	(D)	(D)	
Hay balers	farms	5	36	27	-	33	32	11
number	5	45	27	-	33	32	11	
<b>Manufactured prior to 1998:</b>								
Tractors	farms	55	823	733	124	974	962	1,026
number	135	1,873	2,440	344	3,072	3,151	3,146	
Less than 40 horsepower (PTO)	farms	28	334	400	62	647	461	615
number	34	419	673	85	1,271	788	1,206	
40 to 99 horsepower (PTO)	farms	44	629	462	93	688	718	750
number	(D)	977	903	220	1,337	1,537	1,246	
100 horsepower (PTO) or more	farms	8	273	380	24	267	431	344
number	(D)	477	864	39	464	826	694	
Grain and bean combines	farms	14	154	336	16	213	423	314
number	14	159	419	19	257	494	346	

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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	Cass	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	Crawford	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	782	292	241	349	352	1,152	32	
1997	805	227	249	376	418	1,292	35	
\$1,000, 2002	78,418	11,966	11,219	13,653	14,540	92,331	1,206	
1997	57,880	7,124	9,858	14,684	11,476	84,377	827	
Average per farm	dollars, 2002	100,279	40,980	46,550	39,122	41,307	80,149	37,682
1997		71,900	31,385	39,591	39,053	27,454	65,307	23,640
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	172	110	52	91	137	302	11
1997		170	68	47	48	141	167	12
\$10,000 to \$19,999	2002	67	53	63	33	68	135	5
1997		114	68	61	63	79	245	5
\$20,000 to \$29,999	2002	84	34	18	80	29	189	8
1997		151	22	43	97	87	155	6
\$30,000 to \$49,999	2002	171	38	31	56	55	172	2
1997		84	26	51	84	41	232	5
\$50,000 to \$69,999	2002	114	15	29	39	22	92	-
1997		72	20	11	36	18	203	7
\$70,000 to \$99,999	2002	32	4	16	17	7	52	1
1997		30	15	8	8	28	57	-
\$100,000 to \$199,999	2002	37	24	27	30	17	88	5
1997		103	4	20	37	21	138	-
\$200,000 to \$499,999	2002	76	14	3	2	16	88	-
1997		71	3	8	3	70	70	-
\$500,000 or more	2002	29	-	2	1	1	34	-
1997		10	1	-	-	-	25	-
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	755	283	223	334	313	1,083	27
1997		756	203	219	357	331	1,175	33
number, 2002		1,838	599	519	907	862	2,955	38
1997		1,750	502	530	867	779	3,104	50
Less than 40 horsepower (PTO)	farms, 2002	384	165	154	167	259	685	14
1997		466	144	137	225	217	608	25
number, 2002		610	256	211	279	387	1,023	(D)
1997		651	223	214	368	362	834	28
40 to 99 horsepower (PTO)	farms, 2002	462	166	154	280	191	620	15
1997		519	126	156	244	206	935	17
number, 2002		745	273	259	545	375	1,067	18
1997		806	219	259	(D)	329	1,547	(D)
100 horsepower (PTO) or more	farms, 2002	276	44	26	48	64	452	2
1997		180	45	39	63	48	469	2
number, 2002		483	70	49	83	100	865	(D)
1997		293	60	57	(D)	88	723	(D)
Grain and bean combines (see text)	farms, 2002	171	13	31	94	46	317	2
1997		241	35	33	108	50	538	2
number, 2002		184	14	31	116	59	386	(D)
1997		264	35	35	119	54	620	(D)
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997		-	-	-	-	-	-	-
number, 2002		-	-	-	-	-	-	-
1997		-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	15	22	9	4	36	55	-
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002		16	28	11	5	36	65	-
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers	farms, 2002	304	116	136	235	153	319	10
1997		302	114	127	270	199	446	18
number, 2002		346	151	182	315	207	388	13
1997		369	147	171	365	246	495	20
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	139	29	57	44	50	202	3
number		244	29	75	51	58	329	(D)
Less than 40 horsepower (PTO)	farms	34	17	29	18	32	99	2
number		63	17	37	(D)	32	109	(D)
40 to 99 horsepower (PTO)	farms	88	11	32	32	23	65	1
number		115	(D)	33	32	(D)	85	(D)
100 horsepower (PTO) or more	farms	45	1	5	1	2	88	-
number		66	(D)	5	(D)	(D)	135	-
Grain and bean combines	farms	21	2	-	-	-	33	-
number		23	(D)	-	-	-	33	-
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number		-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	1	6	-	3	9	12	-
number		(D)	6	-	(D)	9	14	-
Hay balers	farms	45	21	13	37	15	28	-
number		46	21	13	42	15	30	-
<b>Manufactured prior to 1998:</b>								
Tractors	farms	719	268	208	322	278	1,001	24
number		1,594	570	444	856	804	2,626	(D)
Less than 40 horsepower (PTO)	farms	379	153	128	157	228	596	12
number		547	239	174	(D)	355	914	(D)
40 to 99 horsepower (PTO)	farms	401	163	137	264	180	604	14
number		630	(D)	226	513	(D)	982	(D)
100 horsepower (PTO) or more	farms	259	44	24	47	64	401	2
number		417	(D)	44	(D)	(D)	730	(D)
Grain and bean combines	farms	152	11	31	94	46	297	2
number		161	(D)	31	116	59	353	(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	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogebic	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	266	130	1,178	248	993	517	39	
1997	289	134	1,248	246	967	501	62	
\$1,000, 2002	12,838	5,504	75,666	10,252	55,396	16,466	799	
1997	12,517	5,809	63,528	9,994	48,578	16,848	1,675	
Average per farm	dollars, 2002	48,265	42,338	64,233	41,337	55,786	31,849	20,498
1997	43,311	43,349	50,903	40,627	50,236	33,628	27,010	
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	62	39	374	92	257	248	13
1997	51	33	318	43	217	105	22	
\$10,000 to \$19,999	2002	73	29	183	43	181	63	10
1997	47	37	283	51	197	117	16	
\$20,000 to \$29,999	2002	33	13	131	18	99	102	7
1997	56	15	220	46	145	97	4	
\$30,000 to \$49,999	2002	24	8	135	30	131	5	5
1997	35	21	126	40	173	103	13	
\$50,000 to \$69,999	2002	26	14	103	20	148	11	2
1997	46	6	95	18	29	33	3	
\$70,000 to \$99,999	2002	9	11	72	18	40	12	2
1997	21	8	48	18	87	22	8	
\$100,000 to \$199,999	2002	26	11	83	20	87	13	-
1997	28	7	87	25	52	15	4	
\$200,000 to \$499,999	2002	12	5	75	6	39	19	-
1997	5	6	50	5	49	7	-	
\$500,000 or more	2002	1	-	22	1	11	1	-
1997	-	1	21	-	8	2	-	
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	255	127	1,139	244	966	469	35
1997	269	121	1,112	231	907	459	59	
number, 2002	738	299	2,868	548	2,338	1,162	86	
1997	721	311	2,619	499	2,103	912	114	
Less than 40 horsepower (PTO)	farms, 2002	153	72	654	111	499	314	23
1997	182	78	605	120	653	211	42	
number, 2002	297	109	907	172	768	452	(D)	
1997	301	134	881	181	878	280	66	
40 to 99 horsepower (PTO)	farms, 2002	163	78	715	184	685	362	28
1997	191	84	712	175	574	333	35	
number, 2002	334	132	1,247	302	1,164	528	48	
1997	368	(D)	1,111	285	819	512	(D)	
100 horsepower (PTO) or more	farms, 2002	66	32	408	47	216	83	2
1997	38	33	366	23	204	100	3	
number, 2002	107	58	714	74	406	182	(D)	
1997	52	(D)	627	33	406	120	(D)	
Grain and bean combines (see text)	farms, 2002	45	15	278	37	265	86	1
1997	93	23	396	60	220	73	4	
number, 2002	61	17	304	37	288	113	(D)	
1997	104	25	492	65	285	84	4	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	6	3	45	35	41	38	1
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	10	3	48	62	56	49	(D)	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	167	52	507	118	343	345	21
1997	189	61	445	130	294	281	37	
number, 2002	203	73	652	167	410	416	23	
1997	254	84	491	168	338	351	39	
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	33	11	128	45	194	26	6
number	43	11	160	55	239	38	6	
Less than 40 horsepower (PTO)	farms	18	11	65	24	82	19	2
number	(D)	11	65	27	89	19	(D)	
40 to 99 horsepower (PTO)	farms	14	-	39	22	104	6	4
number	23	-	42	(D)	106	10	(D)	
100 horsepower (PTO) or more	farms	2	-	27	2	41	7	-
number	(D)	-	53	(D)	44	9	-	
Grain and bean combines	farms	-	-	19	-	18	2	-
number	-	-	21	-	19	(D)	-	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	-	2	3	1	-	
number	-	-	(D)	3	(D)	-	-	
Hay balers	farms	3	3	35	9	13	4	
number	4	3	36	9	13	4	-	
<b>Manufactured prior to 1998:</b>								
Tractors	farms	233	120	1,113	215	889	465	29
number	695	288	2,708	493	2,099	1,124	80	
Less than 40 horsepower (PTO)	farms	135	65	610	87	452	310	21
number	(D)	98	842	145	679	433	(D)	
40 to 99 horsepower (PTO)	farms	153	78	699	172	614	357	24
number	311	132	1,205	(D)	1,058	518	(D)	
100 horsepower (PTO) or more	farms	66	32	396	47	185	83	2
number	(D)	58	661	(D)	362	173	(D)	
Grain and bean combines	farms	45	15	262	37	248	86	1
number	61	17	283	37	269	(D)	(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	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	417	1,000	1,431	151	1,178	1,024	1,111	284	
1997	484	986	1,436	153	1,287	973	1,163	277	
\$1,000, 2002	21,809	97,459	75,473	6,227	176,615	75,768	104,419	13,166	
1997	19,270	80,894	65,291	5,028	141,089	63,373	68,557	10,829	
Average per farm	52,300	97,459	52,741	41,237	149,928	73,993	93,986	46,359	
1997	39,814	82,043	45,467	32,860	109,626	65,131	58,949	39,094	
Farms by value group:									
\$1 to \$9,999	2002	302	563	48	349	284	326	142	
1997	137	221	407	18	158	145	269	54	
\$10,000 to \$19,999	2002	65	156	31	113	108	209	17	
1997	135	226	389	37	165	211	258	73	
\$20,000 to \$29,999	2002	41	70	160	25	89	92	32	
1997	43	165	227	34	190	146	181	57	
\$30,000 to \$49,999	2002	60	84	85	14	98	153	186	
1997	34	68	100	41	134	154	136	31	
\$50,000 to \$69,999	2002	9	79	64	9	58	66	37	
1997	35	8	32	7	84	141	45	10	
\$70,000 to \$99,999	2002	40	39	43	8	59	77	35	
1997	44	85	99	11	126	20	107	13	
\$100,000 to \$199,999	2002	35	135	133	11	116	80	115	
1997	51	76	80	4	203	88	59	25	
\$200,000 to \$499,999	2002	26	88	74	5	195	64	69	
1997	4	104	97	1	186	58	100	6	
\$500,000 or more	2002	47	21	-	-	101	22	45	
1997	1	33	5	-	41	10	8	1	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	383	921	1,371	139	1,094	930	1,098	241
1997	454	926	1,269	153	1,185	958	1,117	257	
number, 2002	835	2,721	3,174	395	4,118	2,536	3,050	724	
1997	1,043	2,521	2,837	377	4,189	2,343	2,966	584	
Less than 40 horsepower (PTO)	farms, 2002	229	553	853	97	491	572	594	169
1997	309	441	606	108	656	531	698	135	
number, 2002	321	775	1,116	187	801	854	911	287	
1997	503	632	841	179	978	669	1,031	229	
40 to 99 horsepower (PTO)	farms, 2002	218	612	785	97	879	591	809	156
1997	269	693	891	108	970	697	742	190	
number, 2002	423	1,049	1,264	182	1,796	1,117	1,325	281	
1997	482	1,090	1,366	164	1,920	1,060	1,343	273	
100 horsepower (PTO) or more	farms, 2002	45	416	435	18	557	304	410	80
1997	33	414	401	30	649	403	354	60	
number, 2002	91	897	794	26	1,521	565	814	156	
1997	58	799	630	34	1,291	614	592	82	
Grain and bean combines (see text)	farms, 2002	25	455	363	16	560	211	367	66
1997	74	411	403	44	689	310	390	69	
number, 2002	25	509	397	16	721	234	421	82	
1997	82	518	457	44	890	369	428	73	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	14	55	13	4	136	38	45	20
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	14	57	15	4	157	40	47	26	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	150	200	412	68	392	324	419	115
1997	144	204	333	81	457	305	450	148	
number, 2002	175	242	479	89	468	360	544	169	
1997	179	237	396	101	505	373	537	220	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	74	112	201	11	161	157	104	42
number	86	179	290	25	277	257	198	46	
Less than 40 horsepower (PTO)	farms	50	45	133	6	16	69	31	13
number	61	45	140	18	25	75	39	14	
40 to 99 horsepower (PTO)	farms	24	15	41	7	46	69	55	17
number	25	18	92	7	51	86	88	17	
100 horsepower (PTO) or more	farms	-	67	38	-	125	52	48	13
number	-	116	58	-	201	96	71	15	
Grain and bean combines	farms	-	46	27	-	30	38	29	8
number	-	47	29	-	32	44	30	8	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	7	-	-	17	2	3	1
number	-	7	-	-	18	(D)	5	(D)	
Hay balers	farms	4	14	41	-	27	56	45	8
number	4	14	48	-	28	57	45	8	
Manufactured prior to 1998:									
Tractors	farms	346	877	1,299	135	1,087	905	1,051	232
number	749	2,542	2,884	370	3,841	2,279	2,852	678	
Less than 40 horsepower (PTO)	farms	193	517	740	93	477	513	566	166
number	260	730	976	169	776	779	872	273	
40 to 99 horsepower (PTO)	farms	203	600	766	92	870	576	765	156
number	398	1,031	1,172	175	1,745	1,031	1,237	264	
100 horsepower (PTO) or more	farms	45	384	427	18	547	282	397	74
number	91	781	736	26	1,320	469	743	141	
Grain and bean combines	farms	25	420	338	16	544	181	343	58
number	25	462	368	16	689	190	391	74	

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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	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw	Lake	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	101	922	1,266	808	148	1,162	11	164	
1997	103	1,039	1,169	812	162	1,349	7	152	
\$1,000, 2002	5,252	52,097	60,846	67,675	5,194	83,126	210	3,865	
1997	4,034	53,078	59,738	59,017	5,931	92,197	133	6,375	
Average per farm	dollars, 2002	52,001	56,505	48,062	83,756	35,095	71,537	19,123	23,567
1997	39,162	51,085	51,102	72,681	36,612	68,345	18,982	41,943	
Farms by value group:									
\$1 to \$9,999	2002	24	331	316	239	49	250	4	63
1997	20	235	220	194	46	316	3	56	
\$10,000 to \$19,999	2002	18	105	347	140	22	263	3	47
1997	39	230	304	114	28	293	-	18	
\$20,000 to \$29,999	2002	14	103	192	34	19	120	-	29
1997	12	121	175	138	36	127	2	14	
\$30,000 to \$49,999	2002	16	89	116	55	22	155	4	13
1997	12	121	147	38	14	215	2	18	
\$50,000 to \$69,999	2002	11	86	61	56	24	96	-	2
1997	8	98	104	130	23	81	-	13	
\$70,000 to \$99,999	2002	4	55	80	102	4	74	-	4
1997	1	60	50	50	6	103	-	18	
\$100,000 to \$199,999	2002	8	99	99	68	4	111	-	4
1997	3	123	113	77	6	119	-	12	
\$200,000 to \$499,999	2002	6	44	38	93	4	66	-	2
1997	8	46	47	58	1	68	-	3	
\$500,000 or more	2002	-	10	17	21	-	27	-	2
1997	-	5	9	13	2	27	-	-	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	93	855	1,208	786	137	1,126	8	145
1997	94	956	1,055	741	144	1,204	7	143	
number, 2002	283	2,479	3,274	2,001	323	3,101	20	370	
1997	238	2,494	2,438	1,890	323	3,228	8	283	
Less than 40 horsepower (PTO)	farms, 2002	57	359	811	494	91	692	4	99
1997	77	436	558	461	98	857	4	68	
number, 2002	98	656	1,530	820	159	953	(D)	158	
1997	113	652	817	723	145	1,280	(D)	95	
40 to 99 horsepower (PTO)	farms, 2002	68	633	627	479	99	814	6	103
1997	60	732	720	454	103	762	3	97	
number, 2002	137	1,167	1,200	705	133	1,546	15	186	
1997	(D)	1,166	1,099	693	(D)	1,464	(D)	153	
100 horsepower (PTO) or more	farms, 2002	21	334	322	228	22	353	1	20
1997	13	425	344	305	21	257	-	30	
number, 2002	48	656	544	476	31	602	(D)	26	
1997	(D)	676	522	474	(D)	484	-	35	
Grain and bean combines (see text)	farms, 2002	19	318	264	149	12	284	3	11
1997	22	350	304	228	12	250	-	19	
number, 2002	22	344	290	165	12	324	(D)	13	
1997	26	439	366	251	17	280	-	19	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	13	27	19	13	8	20	1	5
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	13	28	21	14	8	20	(D)	5	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	56	373	513	244	66	523	8	103
1997	53	444	464	209	56	458	6	56	
number, 2002	75	500	571	321	81	605	9	163	
1997	75	555	559	254	65	559	6	74	
<b>2002 INVENTORY</b>									
Manufactured 1998 to 2002:									
Tractors	farms	10	82	111	165	27	195	-	16
number	12	168	205	209	30	309	-	19	
Less than 40 horsepower (PTO)	farms	4	32	72	84	10	114	-	3
number	4	37	156	88	10	117	-	(D)	
40 to 99 horsepower (PTO)	farms	4	37	31	49	17	119	-	13
number	(D)	65	32	63	20	153	-	13	
100 horsepower (PTO) or more	farms	2	36	11	37	-	20	-	2
number	(D)	66	17	58	-	39	-	(D)	
Grain and bean combines	farms	-	12	10	13	-	9	-	-
number	-	13	11	13	-	10	-	-	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	1	2	2	-	3	-	1
number	-	(D)	(D)	(D)	-	3	-	(D)	
Hay balers	farms	5	35	41	34	13	87	-	12
number	5	37	42	35	13	87	-	12	
Manufactured prior to 1998:									
Tractors	farms	86	831	1,207	731	115	1,030	8	132
number	271	2,311	3,069	1,792	293	2,792	20	351	
Less than 40 horsepower (PTO)	farms	53	329	811	432	81	595	4	97
number	94	619	1,374	732	149	836	(D)	(D)	
40 to 99 horsepower (PTO)	farms	65	620	625	444	85	749	6	92
number	(D)	1,102	1,168	642	113	1,393	15	173	
100 horsepower (PTO) or more	farms	21	324	320	221	22	351	1	20
number	(D)	590	527	418	31	563	(D)	(D)	
Grain and bean combines	farms	19	308	255	138	12	277	3	11
number	22	331	279	152	12	314	(D)	13	

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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	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	1,044	395	1,414	794	30	68	419	316	
1997	1,223	423	1,514	768	36	86	608	331	
\$1,000, 2002	76,858	30,390	104,386	45,600	1,870	3,310	43,945	15,480	
1997	74,151	28,355	104,779	49,558	1,769	2,840	35,569	12,712	
Average per farm	dollars, 2002	73,619	76,938	73,823	57,430	62,331	104,880	48,988	
1997	60,630	67,032	69,207	64,529	49,128	33,025	58,501	38,405	
<b>Farms by value group:</b>									
\$1 to \$9,999	2002	266	66	438	191	10	18	152	89
1997	237	56	364	142	10	10	76	62	
\$10,000 to \$19,999	2002	216	81	226	233	2	5	88	68
1997	211	44	204	91	5	18	128	61	
\$20,000 to \$29,999	2002	148	60	148	81	1	10	3	57
1997	201	67	181	111	7	14	89	101	
\$30,000 to \$49,999	2002	82	42	193	64	2	9	3	24
1997	235	51	262	166	2	23	93	48	
\$50,000 to \$69,999	2002	97	43	63	58	2	15	50	19
1997	71	33	70	83	2	17	70	17	
\$70,000 to \$99,999	2002	15	13	81	59	6	3	11	14
1997	75	74	167	48	5	1	53	19	
\$100,000 to \$199,999	2002	88	46	98	36	6	5	40	24
1997	81	67	144	94	3	2	73	13	
\$200,000 to \$499,999	2002	106	38	139	60	1	3	52	21
1997	93	27	102	30	2	1	24	10	
\$500,000 or more	2002	26	6	28	12	-	20	2	
1997	19	4	20	3	-	-	2	-	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	976	387	1,281	754	23	63	382	285
1997	1,113	365	1,384	716	29	76	574	284	
number, 2002	2,656	1,443	3,464	1,650	70	189	1,384	703	
1997	2,970	886	3,750	1,800	71	210	1,385	690	
Less than 40 horsepower (PTO)	farms, 2002	645	211	671	449	16	38	284	137
1997	693	248	781	496	15	48	353	208	
number, 2002	867	381	894	588	22	67	633	221	
1997	1,063	403	1,054	707	28	78	596	346	
40 to 99 horsepower (PTO)	farms, 2002	599	323	1,079	400	17	51	224	224
1997	826	228	981	490	21	63	375	160	
number, 2002	1,219	954	1,517	700	41	98	488	439	
1997	1,387	(D)	1,581	800	(D)	110	583	297	
100 horsepower (PTO) or more	farms, 2002	317	57	502	144	4	10	131	34
1997	347	3	682	169	6	15	152	34	
number, 2002	570	108	1,053	362	7	24	263	43	
1997	520	(D)	1,115	293	(D)	22	206	47	
Grain and bean combines (see text)	farms, 2002	216	14	480	93	5	9	89	25
1997	335	24	658	205	5	28	142	28	
number, 2002	250	15	510	101	5	10	113	25	
1997	374	24	736	223	(D)	30	179	33	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	56	2	52	10	1	5	1	-
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	72	(D)	55	11	(D)	5	(D)	-	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	417	112	438	244	14	40	46	146
1997	602	61	271	343	14	54	180	133	
number, 2002	540	138	475	293	23	49	48	161	
1997	819	62	327	446	24	81	215	177	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	farms	198	59	113	139	6	9	63	38
number	285	124	155	160	11	10	156	52	
Less than 40 horsepower (PTO)	farms	83	21	23	104	-	3	25	-
number	91	21	23	105	-	(D)	44	-	
40 to 99 horsepower (PTO)	farms	112	31	36	33	5	6	39	38
number	126	83	47	37	(D)	6	72	52	
100 horsepower (PTO) or more	farms	44	13	59	8	2	16	-	
number	68	20	85	18	(D)	(D)	40	-	
Grain and bean combines	farms	49	1	56	7	-	-	12	-
number	57	(D)	56	7	-	-	12	-	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	22	1	22	2	-	-	-	
number	22	(D)	22	(D)	-	-	-	-	
Hay balers	farms	25	8	22	12	1	-	-	
number	25	8	30	14	(D)	-	-	18	
<b>Manufactured prior to 1998:</b>									
Tractors	farms	872	365	1,237	651	22	61	361	276
number	2,371	1,319	3,309	1,490	59	179	1,228	651	
Less than 40 horsepower (PTO)	farms	564	190	650	353	16	35	271	137
number	776	360	871	483	22	(D)	589	221	
40 to 99 horsepower (PTO)	farms	537	316	1,057	378	16	49	220	211
number	1,093	871	1,470	663	(D)	92	416	387	
100 horsepower (PTO) or more	farms	300	51	472	141	3	10	120	34
number	502	88	968	344	(D)	(D)	223	43	
Grain and bean combines	farms	168	13	426	86	5	9	79	25
number	193	(D)	454	94	5	10	101	25	

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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	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	143	476	777	340	484	412	1,156	1,126	
1997	135	476	695	393	497	377	1,236	1,101	
\$1,000, 2002	6,787	35,041	29,650	19,081	36,301	29,647	91,668	110,535	
1997	4,617	22,538	32,191	21,148	32,987	26,599	87,344	78,152	
Average per farm	dollars, 2002	47,461	73,615	38,160	56,120	75,001	79,298	98,166	
1997	34,201	47,348	46,318	53,811	66,372	70,553	70,667	70,983	
<b>Farms by value group:</b>									
\$1 to \$9,999	2002	34	107	238	83	188	126	180	403
1997	24	97	188	68	60	68	204	255	
\$10,000 to \$19,999	2002	40	27	136	30	63	79	122	161
1997	39	69	98	92	58	81	184	263	
\$20,000 to \$29,999	2002	18	44	153	60	22	39	210	92
1997	27	85	105	24	95	56	164	84	
\$30,000 to \$49,999	2002	27	166	142	59	47	40	170	99
1997	23	90	115	92	146	35	123	156	
\$50,000 to \$69,999	2002	5	21	9	30	53	24	111	121
1997	8	51	87	23	18	14	197	69	
\$70,000 to \$99,999	2002	6	20	57	17	24	7	109	15
1997	6	40	39	40	56	42	77	88	
\$100,000 to \$199,999	2002	6	40	22	38	41	60	115	88
1997	6	16	30	30	38	31	172	85	
\$200,000 to \$499,999	2002	6	47	15	22	26	28	125	79
1997	1	19	29	23	11	49	99	81	
\$500,000 or more	2002	1	4	5	1	20	14	74	
1997	1	2	4	1	15	9	16	20	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	133	476	659	319	455	403	1,098	1,102
1997	115	466	674	337	423	349	1,010	1,010	
number, 2002	340	1,353	1,878	923	1,153	957	3,303	2,909	
1997	250	1,295	1,607	945	1,179	779	3,302	2,996	
Less than 40 horsepower (PTO)	farms, 2002	94	255	398	167	272	169	500	595
1997	83	228	413	227	268	182	731	553	
number, 2002	162	445	816	243	417	248	795	825	
1997	134	449	603	358	400	254	1,145	834	
40 to 99 horsepower (PTO)	farms, 2002	79	323	448	267	325	280	805	813
1997	76	386	471	235	339	220	878	819	
number, 2002	141	635	769	502	508	469	1,461	1,373	
1997	101	688	740	452	501	348	1,356	1,562	
100 horsepower (PTO) or more	farms, 2002	20	118	163	112	144	104	486	317
1997	8	120	193	87	162	100	483	296	
number, 2002	37	273	293	178	228	240	1,047	711	
1997	15	158	264	135	278	177	801	600	
Grain and bean combines (see text)	farms, 2002	9	73	88	92	125	30	428	203
1997	17	120	142	90	178	42	531	331	
number, 2002	10	86	90	97	141	31	458	225	
1997	17	132	162	96	230	43	610	443	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	3	2	3	14	13	27	26	63
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	3	(D)	3	14	13	27	26	77	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	66	204	322	198	124	193	223	506
1997	43	242	313	218	183	190	266	514	
number, 2002	87	248	466	260	153	228	265	644	
1997	58	313	454	284	206	250	299	664	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	farms	17	45	70	21	37	76	129	181
number	34	109	170	28	113	155	191	264	
Less than 40 horsepower (PTO)	farms	11	26	42	6	30	25	76	94
number	11	62	132	7	66	65	102	96	
40 to 99 horsepower (PTO)	farms	5	12	16	10	19	41	14	46
number	16	13	16	12	38	47	16	61	
100 horsepower (PTO) or more	farms	4	14	15	8	6	27	54	58
number	7	34	22	9	9	43	73	107	
Grain and bean combines	farms	-	12	-	-	21	7	25	4
number	-	12	-	-	22	7	26	4	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	-	1	-	1	1	6	8	3
number	-	(D)	-	(D)	(D)	6	8	3	
Hay balers	farms	5	17	11	6	7	31	51	37
number	7	17	11	6	7	31	51	37	
<b>Manufactured prior to 1998:</b>									
Tractors	farms	126	459	634	318	425	377	1,059	1,033
number	306	1,244	1,708	895	1,040	802	3,112	2,645	
Less than 40 horsepower (PTO)	farms	88	234	374	161	242	146	450	516
number	151	383	684	236	351	183	693	729	
40 to 99 horsepower (PTO)	farms	76	317	447	264	307	263	792	776
number	125	622	753	490	470	422	1,445	1,312	
100 horsepower (PTO) or more	farms	18	118	162	112	143	104	484	296
number	30	239	271	169	219	197	974	604	
Grain and bean combines	farms	9	71	88	92	104	23	406	199
number	10	74	90	97	119	24	432	221	

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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	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ontonagon	Osceola
<b>VALUE OF MACHINERY AND EQUIPMENT</b>								
Estimated market value of all machinery and equipment								
farms, 2002	129	477	849	582	577	256	101	588
1997	122	490	785	678	650	297	103	578
\$1,000, 2002	6,660	30,372	48,606	27,626	54,114	23,962	4,767	27,092
1997	5,225	32,048	41,471	29,252	45,210	21,139	3,792	32,589
Average per farm	dollars, 2002	51,627	63,674	57,251	47,468	93,785	47,202	46,075
1997	dollars, 1997	42,828	65,404	52,829	43,144	69,554	36,814	56,383
<b>Farms by value group:</b>								
\$1 to \$9,999	2002	46	167	336	207	161	47	35
1997	16	124	209	134	181	39	21	79
\$10,000 to \$19,999	2002	21	55	65	82	74	68	15
1997	38	57	168	164	106	55	24	71
\$20,000 to \$29,999	2002	17	36	90	50	56	21	7
1997	13	51	138	70	19	52	16	142
\$30,000 to \$49,999	2002	9	44	119	91	47	14	10
1997	18	49	63	149	135	48	12	89
\$50,000 to \$69,999	2002	14	35	38	59	56	13	15
1997	19	51	78	59	58	14	7	37
\$70,000 to \$99,999	2002	5	36	69	13	55	18	7
1997	6	46	22	58	10	34	11	38
\$100,000 to \$199,999	2002	11	66	82	52	36	31	27
1997	8	74	51	30	51	23	8	24
\$200,000 to \$499,999	2002	4	35	35	25	73	38	5
1997	4	32	50	12	87	30	1	29
\$500,000 or more	2002	2	3	15	3	19	6	4
1997	-	6	6	2	3	2	-	6
<b>SELECTED MACHINERY AND EQUIPMENT</b>								
Tractors	farms, 2002	123	448	827	519	528	252	98
1997	113	455	762	633	581	288	100	503
number, 2002	254	1,235	2,856	981	1,561	1,011	320	1,522
1997	252	1,165	1,844	1,254	1,708	749	284	1,241
Less than 40 horsepower (PTO)	farms, 2002	62	238	510	289	291	172	63
1997	71	260	446	476	352	173	73	287
number, 2002	81	450	1,134	451	256	121	393	383
1997	97	387	666	683	577	215	120	443
40 to 99 horsepower (PTO)	farms, 2002	93	352	620	282	419	191	79
1997	84	303	532	281	483	226	75	354
number, 2002	133	632	1,289	438	1,042	497	166	880
1997	(D)	594	837	462	970	411	(D)	632
100 horsepower (PTO) or more	farms, 2002	28	72	249	71	76	108	20
1997	31	86	204	95	99	57	24	93
number, 2002	40	153	433	92	143	258	33	249
1997	(D)	184	341	109	161	123	(D)	166
Grain and bean combines (see text)	farms, 2002	17	44	91	27	37	68	20
1997	21	68	117	45	110	111	38	124
number, 2002	19	48	104	28	37	70	26	92
1997	25	71	117	47	115	116	44	135
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
number, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms, 2002	3	29	7	12	8	28	6
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
number, 2002	(D)	55	8	12	8	36	6	32
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Hay balers	farms, 2002	72	158	463	116	169	182	82
1997	66	169	366	155	237	175	87	338
number, 2002	98	190	556	138	193	245	118	370
1997	84	177	429	214	286	271	116	467
<b>2002 INVENTORY</b>								
<b>Manufactured 1998 to 2002:</b>								
Tractors	farms	24	66	102	193	69	34	4
number	30	83	164	216	132	45	11	65
Less than 40 horsepower (PTO)	farms	5	29	67	59	13	14	2
number	5	29	95	78	15	15	(D)	18
40 to 99 horsepower (PTO)	farms	17	36	19	121	51	8	2
number	17	40	31	124	92	12	(D)	62
100 horsepower (PTO) or more	farms	6	7	22	14	16	17	1
number	8	14	38	14	25	18	(D)	7
Grain and bean combines	farms	-	2	3	13	2	-	1
number	(D)	(D)	3	13	(D)	-	(D)	-
Cotton pickers and strippers	farms	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	1	1	1	-	-	12	1
number	(D)	(D)	(D)	-	-	12	(D)	(D)
Hay balers	farms	8	25	67	-	3	14	5
number	9	26	67	-	4	19	5	35
<b>Manufactured prior to 1998:</b>								
Tractors	farms	113	418	801	385	526	248	97
number	224	1,152	2,692	765	1,429	966	309	1,435
Less than 40 horsepower (PTO)	farms	57	210	456	261	289	159	62
number	76	421	1,039	373	241	361	62	287
40 to 99 horsepower (PTO)	farms	81	339	617	173	418	191	78
number	116	592	1,258	314	950	485	(D)	818
100 horsepower (PTO) or more	farms	26	68	246	58	72	103	20
number	32	139	395	78	118	240	(D)	149
Grain and bean combines	farms	17	43	88	14	35	68	19
number	19	(D)	101	15	(D)	70	(D)	92

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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	Oscoda	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	St. Clair	St. Joseph	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	112	147	1,232	301	43	1,339	1,190	908	
1997	95	162	1,493	338	44	1,320	1,120	918	
\$1,000, 2002	4,376	9,992	105,005	18,207	994	110,103	75,968	111,618	
1997	2,487	9,445	107,448	12,391	1,013	99,274	59,190	82,368	
Average per farm	dollars, 2002	39,069	67,976	85,231	60,488	23,106	82,227	63,838	
1997	26,181	58,305	71,968	36,658	23,025	75,207	52,848	89,725	
<b>Farms by value group:</b>									
\$1 to \$9,999	2002	27	33	227	69	16	399	269	302
1997	22	5	305	51	8	207	214	128	
\$10,000 to \$19,999	2002	22	16	199	78	13	163	199	155
1997	31	23	339	116	17	234	293	172	
\$20,000 to \$29,999	2002	11	21	97	35	4	94	275	79
1997	13	24	158	49	9	247	183	207	
\$30,000 to \$49,999	2002	12	19	207	34	6	168	94	104
1997	10	59	159	63	4	120	112	59	
\$50,000 to \$69,999	2002	17	15	162	8	2	152	56	30
1997	10	11	77	28	5	141	90	75	
\$70,000 to \$99,999	2002	14	16	75	15	-	55	70	37
1997	9	12	156	11	-	78	96	65	
\$100,000 to \$199,999	2002	8	23	146	43	1	109	116	46
1997	-	10	194	10	-	144	71	96	
\$200,000 to \$499,999	2002	1	9	85	18	1	173	104	72
1997	-	4	87	9	-	134	51	86	
\$500,000 or more	2002	-	2	34	1	-	26	7	83
1997	-	1	18	1	-	15	10	30	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	97	134	1,167	286	36	1,229	1,189	832
1997	84	148	1,289	307	38	1,215	1,059	766	
number, 2002	230	404	4,188	877	78	3,839	3,182	2,290	
1997	155	423	3,678	819	87	3,749	2,692	2,054	
Less than 40 horsepower (PTO)	farms, 2002	46	74	760	178	31	577	794	540
1997	44	113	816	210	26	736	598	427	
number, 2002	75	150	1,509	339	44	1,066	1,166	717	
1997	59	177	1,334	358	(D)	1,306	881	702	
40 to 99 horsepower (PTO)	farms, 2002	67	115	839	211	21	913	652	479
1997	59	104	928	233	21	869	798	524	
number, 2002	128	208	1,879	385	29	1,780	1,485	910	
1997	83	170	1,762	392	(D)	1,489	1,293	802	
100 horsepower (PTO) or more	farms, 2002	17	33	444	88	3	474	290	236
1997	12	54	313	43	1	541	345	287	
number, 2002	27	46	800	153	5	993	531	663	
1997	13	76	582	69	(D)	954	518	550	
Grain and bean combines (see text)	farms, 2002	9	31	197	80	6	620	329	252
1997	8	58	183	116	7	767	440	300	
number, 2002	10	33	223	84	6	798	401	281	
1997	9	66	199	125	7	966	492	355	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	-	9	34	8	2	101	24	30
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	-	18	36	14	(D)	108	33	39	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	76	62	460	178	26	360	441	332
1997	55	85	450	190	17	249	416	308	
number, 2002	101	80	552	242	29	390	558	434	
1997	65	104	543	244	20	260	518	399	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	farms	12	12	125	40	4	158	245	116
number	12	16	286	48	4	245	309	185	
Less than 40 horsepower (PTO)	farms	6	11	56	2	4	33	149	58
number	6	11	82	(D)	4	38	153	59	
40 to 99 horsepower (PTO)	farms	6	4	73	33	-	89	92	20
number	6	(D)	133	33	-	125	99	21	
100 horsepower (PTO) or more	farms	-	1	35	7	-	43	28	50
number	-	(D)	71	(D)	-	82	57	105	
Grain and bean combines	farms	-	-	13	-	-	21	15	13
number	-	-	13	-	-	-	24	17	16
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	-
Forage harvesters, self-propelled (see text)	farms	-	-	2	2	-	-	2	-
number	-	-	(D)	(D)	-	-	-	(D)	-
Hay balers	farms	11	5	14	19	-	10	4	18
number	11	5	15	24	-	10	5	18	
<b>Manufactured prior to 1998:</b>									
Tractors	farms	95	130	1,123	286	32	1,160	1,092	774
number	218	388	3,902	829	74	3,594	2,873	2,105	
Less than 40 horsepower (PTO)	farms	44	63	725	176	27	549	679	496
number	69	139	1,427	(D)	40	1,028	1,013	658	
40 to 99 horsepower (PTO)	farms	63	111	803	206	21	855	647	460
number	122	(D)	1,746	352	29	1,655	1,386	889	
100 horsepower (PTO) or more	farms	17	32	434	87	3	471	273	222
number	27	(D)	729	(D)	5	911	474	558	
Grain and bean combines	farms	9	31	184	80	6	606	318	240
number	10	33	210	84	6	774	384	265	

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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	Sanilac	Schoolcraft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford	
<b>VALUE OF MACHINERY AND EQUIPMENT</b>									
Estimated market value of all machinery and equipment									
farms, 2002	1,526	52	1,020	1,222	1,111	1,241	321	341	
1997	1,629	52	1,065	1,306	1,217	1,208	367	298	
\$1,000, 2002	195,783	2,049	79,482	130,951	81,673	70,044	17,247	9,006	
1997	140,131	1,868	84,771	126,698	75,000	63,453	22,379	10,015	
Average per farm	dollars, 2002	128,298	39,408	77,924	107,161	73,513	56,441	53,727	26,412
1997	86,023	35,924	79,597	97,013	61,627	52,527	60,979	33,606	
<b>Farms by value group:</b>									
\$1 to \$9,999	2002	372	8	138	335	301	509	134	155
1997	362	6	195	215	262	180	50	59	
\$10,000 to \$19,999	2002	147	15	220	122	179	135	38	72
1997	226	14	186	195	279	262	138	81	
\$20,000 to \$29,999	2002	119	6	209	142	134	128	30	49
1997	206	4	132	169	103	187	41	74	
\$30,000 to \$49,999	2002	133	11	110	81	116	78	54	38
1997	209	15	189	143	187	171	45	46	
\$50,000 to \$69,999	2002	116	4	84	152	74	66	5	1
1997	149	3	73	116	88	88	17	6	
\$70,000 to \$99,999	2002	85	2	84	46	80	92	5	-
1997	81	8	45	78	101	71	20	14	
\$100,000 to \$199,999	2002	195	6	91	161	127	140	23	15
1997	177	2	108	220	125	94	31	11	
\$200,000 to \$499,999	2002	246	-	60	129	80	71	25	10
1997	171	-	116	128	56	55	20	6	
\$500,000 or more	2002	113	-	24	54	20	22	7	1
1997	48	-	21	42	16	7	5	1	
<b>SELECTED MACHINERY AND EQUIPMENT</b>									
Tractors	farms, 2002	1,449	46	950	1,126	1,013	1,106	300	284
1997	1,534	51	1,048	1,202	1,103	1,151	338	251	
number, 2002	5,232	121	2,812	3,716	3,514	3,633	684	570	
1997	4,764	119	2,932	3,561	3,246	3,142	739	607	
Less than 40 horsepower (PTO)	farms, 2002	714	26	521	623	727	849	178	214
1997	621	39	654	727	691	738	254	175	
number, 2002	1,268	34	800	1,176	1,516	1,425	281	318	
1997	1,025	61	992	1,233	1,295	1,153	386	286	
40 to 99 horsepower (PTO)	farms, 2002	1,193	33	649	820	762	605	178	145
1997	1,228	32	744	776	807	741	226	162	
number, 2002	2,359	71	1,151	1,529	1,653	1,431	320	201	
1997	2,478	50	1,222	1,293	1,499	1,362	294	265	
100 horsepower (PTO) or more	farms, 2002	651	9	421	494	189	357	53	30
1997	705	5	471	513	276	412	49	40	
number, 2002	1,605	16	861	1,011	345	777	83	51	
1997	1,261	8	718	1,035	452	627	59	56	
Grain and bean combines (see text)	farms, 2002	566	6	422	509	128	314	31	17
1997	656	15	560	603	247	402	56	35	
number, 2002	630	6	475	647	138	373	37	17	
1997	752	18	663	747	285	446	67	37	
Cotton pickers and strippers	farms, 2002	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	
number, 2002	-	-	-	-	-	-	-	-	
1997	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms, 2002	89	2	19	85	67	28	-	6
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
number, 2002	92	(D)	23	120	81	29	-	6	
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Hay balers	farms, 2002	616	27	352	322	231	356	70	104
1997	713	27	396	433	315	522	58	136	
number, 2002	771	35	413	401	316	443	70	118	
1997	852	38	490	502	392	614	58	176	
<b>2002 INVENTORY</b>									
<b>Manufactured 1998 to 2002:</b>									
Tractors	farms	247	2	131	152	247	139	61	25
number	511	(D)	202	232	579	289	80	31	
Less than 40 horsepower (PTO)	farms	129	1	51	10	62	121	21	9
number	248	(D)	52	10	216	225	(D)	9	
40 to 99 horsepower (PTO)	farms	77	1	57	86	197	14	49	16
number	98	(D)	75	88	320	19	56	16	
100 horsepower (PTO) or more	farms	84	-	49	63	17	40	2	4
number	165	-	75	134	43	45	(D)	6	
Grain and bean combines	farms	38	-	38	23	8	44	2	-
number	40	-	38	23	10	44	(D)	-	
Cotton pickers and strippers	farms	-	-	-	-	-	-	-	-
number	-	-	-	-	-	-	-	-	
Forage harvesters, self-propelled (see text)	farms	3	-	-	3	13	2	-	-
number	3	-	-	3	13	(D)	-	-	
Hay balers	farms	39	1	17	31	29	47	4	17
number	40	(D)	20	32	42	48	4	-	
<b>Manufactured prior to 1998:</b>									
Tractors	farms	1,387	45	938	1,061	918	1,044	269	279
number	4,721	(D)	2,610	3,484	2,935	3,344	604	539	
Less than 40 horsepower (PTO)	farms	648	26	482	615	692	760	169	207
number	1,020	(D)	748	1,166	1,300	1,200	(D)	309	
40 to 99 horsepower (PTO)	farms	1,158	32	645	749	643	603	144	145
number	2,261	(D)	1,076	1,441	1,333	1,412	264	185	
100 horsepower (PTO) or more	farms	639	9	408	468	182	337	52	30
number	1,440	16	786	877	302	732	(D)	45	
Grain and bean combines	farms	537	6	387	489	123	270	29	17
number	590	6	437	624	128	329	(D)	17	

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