

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978**

[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	
Livestock and poultry purchased ----- farms, 1982..	16 849	100	27	639	166	113	96	
	1978..	18 301	100	35	767	81	157	
	\$1,000, 1982..	170 034	861	70	11 416	408	1 132	
	1978..	145 691	657	125	8 767	399	614	
Feed for livestock and poultry ----- farms, 1982..	27 182	195	51	940	240	140	145	
	1978..	28 674	188	64	1 125	265	130	
	\$1,000, 1982..	254 964	631	366	20 154	1 315	1 159	
	1978..	179 958	488	332	13 127	1 013	1 649	
Commercially mixed formula feeds ----- farms, 1982..	14 434	68	35	529	91	78	81	
	1978..	13 999	61	28	639	87	75	
	tons, 1982..	862 503	2 589	1 636	83 419	4 480	4 815	
	1978..	628 814	2 211	941	56 711	4 592	7 481	
\$1,000, 1982..	153 703	467	290	14 282	761	915	677	
	1978..	106 272	314	145	8 602	744	1 365	
	Seeds, bulbs, plants, and trees ----- farms, 1982..	41 846	93	32	1 323	274	147	275
		1978..	45 648	155	49	1 533	258	189
\$1,000, 1982..		105 161	79	29	3 187	313	331	
1978..		79 794	97	26	2 176	191	351	
Commercial fertilizer ----- farms, 1982..	43 009	127	40	1 406	325	145	279	
	1978..	48 523	147	51	1 637	303	197	
	\$1,000, 1982..	242 091	254	51	7 788	626	928	
	1978..	173 192	121	60	5 075	387	767	
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	37 506	58	28	1 291	173	153	242	
	1978..	43 904	102	37	1 585	130	185	
	\$1,000, 1982..	114 159	26	15	3 542	165	599	
	1978..	67 558	33	11	2 333	111	443	
Hired farm labor ----- farms, 1982..	21 564	110	37	768	193	113	109	
	1978..	22 285	117	39	786	131	108	
	\$1,000, 1982..	186 312	273	117	10 272	663	1 028	
	1978..	136 868	121	112	6 250	292	937	
Contract labor ----- farms, 1982..	2 510	-	2	87	-	26	38	
	1978..	3 235	1	1	141	7	21	
	\$1,000, 1982..	14 445	-	(D)	795	-	159	
	1978..	12 412	(D)	(D)	347	19	75	
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	20 674	75	15	663	181	91	109	
	1978..	26 193	91	25	872	153	101	
	\$1,000, 1982..	30 403	27	9	1 154	114	143	
	1978..	26 870	39	11	894	78	156	
Energy and petroleum products ----- farms, 1982..	58 436	295	76	1 824	437	279	377	
	1978..	60 148	287	94	1 922	441	421	
	\$1,000, 1982..	228 553	460	182	8 873	1 043	1 025	
	1978..	128 428	306	151	4 777	505	632	
Petroleum products ----- farms, 1982..	58 375	295	76	1 824	437	279	377	
	1978..	60 113	287	94	1 922	441	421	
	\$1,000, 1982..	181 320	357	115	6 589	782	727	
	1978..	97 893	210	98	3 342	360	461	
Gasoline and gasohol ----- farms, 1982..	53 792	294	72	1 690	379	257	339	
	1978..	56 703	265	93	1 801	418	238	
	\$1,000, 1982..	70 711	199	63	2 324	316	318	
	1978..	46 816	134	59	1 469	191	222	
Storage capacity ----- farms, 1982..	38 825	185	41	1 165	267	190	263	
	1,000 gallons, 1982..	19 897	72	15	515	113	144	
	Diesel fuel ----- farms, 1982..	32 771	116	30	991	280	166	267
		1978..	29 489	71	37	963	179	163
\$1,000, 1982..		70 978	127	33	2 063	365	332	
1978..		28 826	59	20	723	115	160	
Storage capacity ----- farms, 1982..	25 874	102	26	771	207	139	203	
	1,000 gallons, 1982..	16 856	42	10	416	81	84	
	LP gas, butane, and propane ----- farms, 1982..	7 811	3	13	296	46	20	53
		1978..	6 687	8	10	240	43	52
\$1,000, 1982..		16 055	5	6	632	45	20	
1978..		7 316	(2)	3	360	(D)	26	
Storage capacity ----- farms, 1982..	5 661	3	3	196	28	13	33	
	1,000 gallons, 1982..	5 622	3	1	198	20	11	
	Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	4 420	8	1	222	24	17	24
		1978..	5 611	19	14	205	61	27
\$1,000, 1982..		2 857	(D)	(D)	442	6	10	
1978..		3 716	4	6	511	16	9	
Storage capacity ----- farms, 1982..	2 456	8	1	131	14	15	11	
	1,000 gallons, 1982..	952	2	(D)	60	2	4	
	Natural gas ----- farms, 1982..	1 819	1	2	149	6	-	2
		1978..	1 449	6	3	56	1	10
\$1,000, 1982..		10 346	(D)	(D)	805	1	(D)	
1978..		4 556	1	2	74	(D)	6	
Motor oil and grease <sup>2</sup> ----- farms, 1982..	58 375	295	76	1 824	437	279	377	
	1978..	60 112	287	94	1 922	441	421	
	\$1,000, 1982..	10 372	22	9	323	48	51	
	1978..	6 663	12	8	205	26	44	
Electricity ----- farms, 1982..	42 594	182	62	1 359	347	215	278	
	1978..	42 315	222	69	1 469	310	159	
	\$1,000, 1982..	45 697	88	63	2 261	256	296	
	1978..	29 823	91	52	1 425	136	170	
Other—coal, wood, coke, etc. ----- farms, 1982..	3 720	37	14	88	15	9	25	
	1978..	2 137	18	9	30	17	6	
	\$1,000, 1982..	1 536	16	4	22	5	6	
	1978..	713	5	1	10	8	1	
1982 interest expense:								
Expenses reported ----- farms..	27 193	72	27	903	188	142	134	
\$1,000..	273 637	576	111	10 363	916	1 188	1 798	
Expenses reported as "No" ----- farms..	28 712	223	45	826	225	91	223	

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	25	380	114	34	273	355	369
1978..	15	339	134	46	235	421	533
\$1,000, 1982..	81	1 842	224	202	1 808	6 297	4 154
1978..	32	1 413	456	549	1 952	4 152	3 589
Feed for livestock and poultry ----- farms, 1982..	52	625	219	64	431	566	637
1978..	62	572	189	55	474	611	777
\$1,000, 1982..	140	4 881	525	245	2 984	4 613	5 547
1978..	108	3 271	650	298	2 551	3 174	3 258
Commercially mixed formula feeds ----- farms, 1982..	26	308	96	22	217	327	295
1978..	30	242	123	28	229	266	309
tons, 1982..	385	14 378	869	332	10 804	8 322	19 415
1978..	587	11 301	1 958	339	11 983	8 648	10 327
\$1,000, 1982..	63	2 757	210	79	1 867	1 800	3 869
1978..	73	1 989	418	78	1 784	1 510	1 677
Seeds, bulbs, plants, and trees ----- farms, 1982..	35	724	897	74	1 099	988	994
1978..	38	820	989	90	1 390	1 045	1 051
\$1,000, 1982..	16	1 254	2 997	64	2 432	2 025	2 490
1978..	22	821	1 907	72	1 870	1 501	1 678
Commercial fertilizer ----- farms, 1982..	35	673	933	135	1 406	888	928
1978..	49	745	1 104	116	1 589	1 075	1 047
\$1,000, 1982..	30	3 177	8 247	250	4 515	5 212	6 004
1978..	43	1 942	5 679	211	3 138	3 960	3 641
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	17	609	818	138	1 383	830	859
1978..	44	676	1 020	115	1 694	957	985
\$1,000, 1982..	6	1 339	2 917	399	5 453	2 246	2 648
1978..	27	647	1 593	308	3 147	1 397	1 386
Hired farm labor ----- farms, 1982..	29	370	441	75	902	344	452
1978..	31	339	554	79	1 048	371	417
\$1,000, 1982..	75	1 862	2 544	504	12 259	1 945	3 811
1978..	55	1 161	1 817	647	11 224	1 376	2 282
Contract labor ----- farms, 1982..	2	17	57	26	225	33	15
1978..	2	6	109	12	253	27	16
\$1,000, 1982..	(D)	(D)	376	172	1 085	55	56
1978..	(D)	100	361	89	1 037	131	5
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	13	358	335	53	805	453	519
1978..	24	479	575	70	1 001	533	597
\$1,000, 1982..	7	384	476	65	1 679	630	610
1978..	6	361	587	87	1 432	534	598
Energy and petroleum products ----- farms, 1982..	74	1 061	1 072	182	1 745	1 157	1 266
1978..	92	1 031	1 170	173	1 920	1 184	1 307
\$1,000, 1982..	99	3 695	4 618	351	5 462	4 418	5 520
1978..	73	1 833	2 489	224	3 472	2 512	2 957
Petroleum products ----- farms, 1982..	74	1 061	1 072	182	1 739	1 157	1 266
1978..	92	1 031	1 170	173	1 920	1 184	1 307
\$1,000, 1982..	70	2 924	4 049	285	4 474	3 600	4 471
1978..	49	1 374	2 148	176	2 811	1 906	2 125
Gasoline and gasohol ----- farms, 1982..	68	986	962	164	1 686	1 027	1 188
1978..	91	989	1 121	163	1 880	1 094	1 257
\$1,000, 1982..	41	1 247	1 715	152	2 335	1 296	1 429
1978..	36	684	1 175	115	1 670	847	965
Storage capacity ----- farms, 1982..	45	684	801	84	1 218	780	888
1,000 gallons, 1982..	13	336	519	43	613	370	444
Diesel fuel ----- farms, 1982..	42	551	696	80	784	636	722
1978..	23	434	607	80	734	526	579
\$1,000, 1982..	21	1 094	1 734	96	1 356	1 322	1 767
1978..	7	419	631	41	535	598	626
Storage capacity ----- farms, 1982..	25	418	588	45	546	489	605
1,000 gallons, 1982..	6	224	440	26	333	311	399
LP gas, butane, and propane ----- farms, 1982..	10	115	91	13	238	251	225
1978..	9	161	114	6	245	218	154
\$1,000, 1982..	(D)	316	208	14	382	667	543
1978..	1	131	113	(D)	219	288	132
Storage capacity ----- farms, 1982..	5	91	69	4	141	179	139
1,000 gallons, 1982..	2	106	78	4	144	218	179
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	2	95	64	12	97	107	92
1978..	3	90	121	22	244	110	140
\$1,000, 1982..	(D)	37	24	3	42	44	55
1978..	(D)	30	37	6	107	33	147
Storage capacity ----- farms, 1982..	1	70	39	4	40	76	53
1,000 gallons, 1982..	(D)	18	10	1	17	17	13
Natural gas ----- farms, 1982..	-	7	34	3	28	37	33
1978..	1	7	14	1	44	9	24
\$1,000, 1982..	-	22	141	1	99	69	404
1978..	(D)	8	50	(D)	80	5	103
Motor oil and grease <sup>2</sup> ----- farms, 1982..	74	1 061	1 072	182	1 739	1 157	1 266
1978..	92	1 031	1 170	173	1 920	1 184	1 307
\$1,000, 1982..	6	208	228	19	260	201	274
1978..	4	102	142	13	199	136	151
Electricity ----- farms, 1982..	58	768	720	100	1 283	849	924
1978..	60	763	827	105	1 365	840	965
\$1,000, 1982..	26	757	537	59	960	765	1 006
1978..	21	451	341	42	656	580	814
Other—coal, wood, coke, etc. ----- farms, 1982..	8	51	89	19	58	99	120
1978..	13	21	30	15	54	78	53
\$1,000, 1982..	3	14	32	8	27	54	43
1978..	2	8	10	6	6	26	18
1982 interest expense:							
Expenses reported ----- farms..	30	453	601	66	672	589	620
\$1,000..	60	3 968	5 561	325	4 700	6 261	5 904
Expenses reported as "No" ----- farms..	42	592	434	108	999	498	611

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	319	91	77	132	129	418	6
1978..	441	86	101	143	136	548	5
\$1,000, 1982..	2 352	346	323	453	1 003	2 713	7
1978..	3 542	333	235	404	898	2 759	7
Feed for livestock and poultry ----- farms, 1982..	548	153	137	234	172	726	13
1978..	640	146	138	244	219	764	8
\$1,000, 1982..	11 943	631	693	1 586	1 250	6 001	9
1978..	7 737	451	502	908	1 038	4 589	5
Commercially mixed formula feeds ----- farms, 1982..	212	69	67	114	109	347	8
1978..	283	61	29	108	99	417	4
tons, 1982..	25 520	2 178	2 616	7 843	3 825	18 183	20
1978..	13 149	1 362	2 450	2 377	1 774	13 208	6
\$1,000, 1982..	4 099	346	490	1 017	715	3 021	3
1978..	2 585	204	360	474	314	2 656	1
Seeds, bulbs, plants, and trees ----- farms, 1982..	803	148	113	190	207	1 182	7
1978..	850	192	139	242	165	1 159	10
\$1,000, 1982..	1 761	146	71	93	276	2 526	(D)
1978..	1 368	99	138	92	162	1 667	(D)
Commercial fertilizer ----- farms, 1982..	789	153	121	231	178	1 191	11
1978..	856	202	137	255	186	1 269	10
\$1,000, 1982..	4 208	418	200	369	728	6 132	5
1978..	3 396	353	351	413	372	4 311	(D)
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	707	98	41	28	141	1 116	5
1978..	833	141	75	83	120	1 190	9
\$1,000, 1982..	2 116	165	26	25	192	2 802	2
1978..	1 359	130	72	82	108	1 556	4
Hired farm labor ----- farms, 1982..	367	90	64	143	93	604	4
1978..	362	60	76	129	109	424	2
\$1,000, 1982..	2 551	249	322	601	564	2 904	2
1978..	2 138	383	212	206	414	1 514	(D)
Contract labor ----- farms, 1982..	22	11	6	13	8	94	1
1978..	64	12	8	12	6	55	1
\$1,000, 1982..	307	9	15	12	11	357	(D)
1978..	147	27	5	6	9	206	(D)
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	495	56	26	83	126	783	1
1978..	466	58	72	128	84	763	2
\$1,000, 1982..	740	76	7	37	85	1 200	(D)
1978..	745	102	30	36	56	518	(D)
Energy and petroleum products ----- farms, 1982..	1 022	256	197	371	317	1 508	18
1978..	1 058	248	221	359	315	1 509	16
\$1,000, 1982..	3 857	565	430	908	947	5 686	(D)
1978..	2 154	258	317	378	489	2 881	14
Petroleum products ----- farms, 1982..	1 022	256	197	371	317	1 508	18
1978..	1 058	248	221	359	315	1 509	16
\$1,000, 1982..	3 191	418	336	715	686	4 497	6
1978..	1 700	190	253	269	349	2 138	12
Gasoline and gasohol ----- farms, 1982..	894	215	191	339	308	1 431	16
1978..	1 012	217	204	344	309	1 389	13
\$1,000, 1982..	1 122	211	137	336	282	1 799	(D)
1978..	842	100	115	171	176	958	3
Storage capacity ----- farms, 1982..	632	180	127	242	220	1 014	5
1,000 gallons, 1982..	328	75	63	114	117	496	2
Diesel fuel ----- farms, 1982..	550	134	88	233	149	896	6
1978..	503	131	101	153	133	810	4
\$1,000, 1982..	1 239	148	113	286	263	1 888	1
1978..	426	62	52	61	(D)	739	(D)
Storage capacity ----- farms, 1982..	423	113	54	184	132	749	2
1,000 gallons, 1982..	282	42	29	63	69	535	(D)
LP gas, butane, and propane ----- farms, 1982..	250	24	26	37	44	202	1
1978..	243	14	16	5	18	152	1
\$1,000, 1982..	571	19	17	3	72	385	(D)
1978..	290	4	12	(D)	19	175	(D)
Storage capacity ----- farms, 1982..	185	11	8	33	38	174	1
1,000 gallons, 1982..	233	7	3	11	27	164	(D)
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	110	15	11	36	14	118	2
1978..	81	23	29	22	11	111	3
\$1,000, 1982..	35	8	(D)	37	3	55	(D)
1978..	22	4	8	10	11	86	4
Storage capacity ----- farms, 1982..	44	9	2	25	7	56	1
1,000 gallons, 1982..	20	4	(D)	9	2	24	(D)
Natural gas ----- farms, 1982..	8	8	7	8	12	40	-
1978..	15	17	11	1	1	18	-
\$1,000, 1982..	52	3	(D)	13	18	84	-
1978..	13	4	44	(D)	(D)	9	-
Motor oil and grease <sup>2</sup> ----- farms, 1982..	1 022	256	197	371	317	1 508	18
1978..	1 058	248	221	359	315	1 509	16
\$1,000, 1982..	172	30	24	40	48	286	1
1978..	108	17	22	25	29	172	(D)
Electricity ----- farms, 1982..	778	185	157	304	246	1 153	12
1978..	692	146	152	285	219	1 038	7
\$1,000, 1982..	649	139	85	184	248	1 148	(D)
1978..	451	64	(D)	102	134	734	(D)
Other—coal, wood, coke, etc. ----- farms, 1982..	32	25	18	53	20	99	3
1978..	14	6	2	32	15	48	1
\$1,000, 1982..	16	8	8	8	12	42	(D)
1978..	4	3	(D)	8	5	9	(D)
1982 interest expense:							
Expenses reported ----- farms..	451	102	51	180	166	790	8
\$1,000..	5 895	713	384	824	1 262	6 721	7
Expenses reported as "No" ----- farms..	550	144	122	191	136	656	10

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	97	46	278	73	199	157	31
1978..	96	40	374	52	250	139	21
\$1,000, 1982..	196	123	1 864	99	4 019	713	95
1978..	165	38	1 383	59	3 141	391	75
Feed for livestock and poultry ----- farms, 1982..	214	84	515	176	301	237	64
1978..	224	80	680	122	365	236	60
\$1,000, 1982..	1 287	545	2 785	445	2 084	963	336
1978..	1 368	318	1 966	467	1 742	591	221
Commercially mixed formula feeds ----- farms, 1982..	126	57	294	58	126	45	24
1978..	115	38	289	59	142	84	23
tons, 1982..	3 995	1 419	9 902	908	5 102	1 863	716
1978..	3 863	942	4 708	1 092	5 657	1 808	358
\$1,000, 1982..	522	290	1 585	241	1 213	430	116
1978..	523	180	889	168	1 122	265	44
Seeds, bulbs, plants, and trees ----- farms, 1982..	180	62	1 038	124	687	307	39
1978..	179	74	1 159	154	712	296	31
\$1,000, 1982..	217	131	2 528	111	1 687	315	10
1978..	258	114	1 750	97	1 306	331	8
Commercial fertilizer ----- farms, 1982..	191	71	1 063	126	752	292	32
1978..	231	79	1 153	175	766	329	32
\$1,000, 1982..	469	309	5 472	254	4 040	853	(D)
1978..	466	226	3 535	253	2 642	647	17
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	122	50	840	106	661	218	12
1978..	177	54	1 062	129	660	253	23
\$1,000, 1982..	171	152	2 074	90	1 681	224	3
1978..	153	92	1 337	79	922	211	7
Hired farm labor ----- farms, 1982..	193	64	425	82	330	129	23
1978..	144	57	461	46	312	167	28
\$1,000, 1982..	442	420	1 708	224	1 989	398	77
1978..	588	317	1 025	175	1 053	232	112
Contract labor ----- farms, 1982..	2	6	39	2	27	3	2
1978..	16	3	72	1	74	3	3
\$1,000, 1982..	(D)	15	49	(D)	112	12	(D)
1978..	20	1	166	(D)	227	7	1
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	58	27	562	58	248	153	23
1978..	133	33	712	31	327	240	25
\$1,000, 1982..	71	34	527	94	205	152	5
1978..	42	13	758	13	249	143	4
Energy and petroleum products ----- farms, 1982..	315	123	1 372	253	990	433	82
1978..	333	116	1 392	230	990	408	72
\$1,000, 1982..	839	405	4 568	478	3 515	1 002	96
1978..	543	216	2 362	276	1 656	468	61
Petroleum products ----- farms, 1982..	315	123	1 372	253	990	433	82
1978..	333	116	1 392	230	990	408	72
\$1,000, 1982..	592	327	3 890	338	2 971	827	64
1978..	393	164	1 792	206	1 290	377	39
Gasoline and gasohol ----- farms, 1982..	289	121	1 270	222	905	426	82
1978..	324	115	1 261	209	928	366	71
\$1,000, 1982..	291	158	1 589	141	1 143	412	42
1978..	224	84	970	115	570	194	30
Storage capacity ----- farms, 1982..	185	83	915	163	612	283	50
1,000 gallons, 1982..	77	30	391	67	313	115	17
Diesel fuel ----- farms, 1982..	172	61	717	148	556	229	20
1978..	141	58	678	108	469	193	10
\$1,000, 1982..	210	134	1 577	144	1 161	300	12
1978..	106	51	493	60	395	111	2
Storage capacity ----- farms, 1982..	145	50	538	111	443	161	10
1,000 gallons, 1982..	46	27	358	55	284	90	(D)
LP gas, butane, and propane ----- farms, 1982..	25	17	149	8	86	34	2
1978..	53	15	126	7	97	44	4
\$1,000, 1982..	21	10	333	6	293	39	(D)
1978..	8	9	115	1	127	23	2
Storage capacity ----- farms, 1982..	7	11	121	7	74	33	-
1,000 gallons, 1982..	5	8	112	1	58	21	-
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	58	6	83	31	38	18	8
1978..	44	15	112	19	78	37	11
\$1,000, 1982..	20	(D)	30	17	79	10	6
1978..	17	(D)	42	5	64	12	2
Storage capacity ----- farms, 1982..	18	3	52	8	18	6	2
1,000 gallons, 1982..	6	1	14	4	9	2	(D)
Natural gas ----- farms, 1982..	6	2	33	7	36	8	-
1978..	9	2	20	7	57	-	-
\$1,000, 1982..	2	(D)	142	4	102	2	-
1978..	7	(D)	33	4	39	-	-
Motor oil and grease <sup>2</sup> ----- farms, 1982..	315	123	1 372	253	990	433	82
1978..	333	116	1 392	230	990	408	72
\$1,000, 1982..	48	20	219	26	193	64	(D)
1978..	31	15	139	22	94	37	4
Electricity ----- farms, 1982..	261	93	882	188	597	301	70
1978..	254	96	991	165	678	238	59
\$1,000, 1982..	231	71	654	129	528	156	21
1978..	146	49	560	70	362	91	20
Other—coal, wood, coke, etc.----- farms, 1982..	49	16	54	31	63	53	21
1978..	8	13	35	5	19	5	8
\$1,000, 1982..	16	7	24	11	15	19	8
1978..	4	3	10	(Z)	3	(Z)	2
1982 interest expense: ----- farms..	100	63	653	74	410	133	27
Expenses reported ----- \$1,000..	630	259	5 582	355	4 395	1 005	82
Expenses reported as "No" ----- farms..	198	58	686	149	547	289	55

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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	Ionía	Iosco	
Livestock and poultry purchased ----- farms, 1982..	104	280	406	78	468	349	439	74	
	1978..	97	357	418	58	534	340	482	
	\$1,000, 1982..	998	5 084	5 609	161	20 637	2 133	3 407	
	1978..	402	4 744	3 935	33	15 593	1 599	2 755	
Feed for livestock and poultry ----- farms, 1982..	149	401	701	113	799	567	662	123	
	1978..	133	471	681	126	876	593	724	
	\$1,000, 1982..	523	4 322	6 681	495	18 999	3 953	7 659	
	1978..	409	5 054	4 410	496	11 541	3 286	5 640	
Commercially mixed formula feeds ----- farms, 1982..	80	274	356	68	557	320	369	27	
	1978..	44	289	321	83	562	321	328	
	tons, 1982..	1 131	15 416	15 216	1 477	94 383	10 813	30 228	
	1978..	1 494	19 639	13 551	2 375	37 786	9 459	24 331	
\$1,000, 1982..	201	2 709	2 926	244	14 074	1 969	5 318	203	
	1978..	278	3 343	2 323	356	6 376	1 838	3 983	
	Seeds, bulbs, plants, and trees ----- farms, 1982..	245	1 006	1 106	92	1 413	791	914	156
		1978..	345	1 202	1 264	127	1 547	821	975
\$1,000, 1982..		492	3 312	2 375	77	5 416	2 207	2 282	
1978..		541	2 391	1 596	64	3 358	1 946	1 563	
Commercial fertilizer ----- farms, 1982..	362	1 028	1 023	123	1 458	758	902	184	
	1978..	397	1 173	1 248	157	1 545	887	1 042	
	\$1,000, 1982..	948	7 826	6 087	148	16 646	5 479	5 943	
	1978..	985	5 666	4 447	110	10 148	4 365	3 937	
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	317	897	979	57	1 257	729	870	125	
	1978..	416	1 049	1 188	131	1 383	828	985	
	\$1,000, 1982..	1 166	3 434	2 479	28	5 252	2 469	2 267	
	1978..	1 358	1 900	1 394	46	2 293	1 597	1 711	
Hired farm labor ----- farms, 1982..	204	391	461	75	679	371	470	84	
	1978..	279	424	458	66	664	417	453	
	\$1,000, 1982..	1 607	2 225	2 119	142	5 402	3 254	3 905	
	1978..	2 209	1 639	1 464	205	2 711	2 715	2 616	
Contract labor ----- farms, 1982..	22	27	42	5	56	62	29	-	
	1978..	61	60	44	10	108	64	48	
	\$1,000, 1982..	162	314	127	3	354	193	210	
	1978..	435	288	145	4	216	128	173	
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	138	409	591	38	674	453	450	41	
	1978..	207	533	723	67	876	547	645	
	\$1,000, 1982..	202	690	1 117	12	1 403	584	614	
	1978..	425	466	669	22	1 233	557	511	
Energy and petroleum products ----- farms, 1982..	462	1 208	1 354	195	1 655	1 105	1 187	244	
	1978..	481	1 529	1 523	213	1 797	1 059	1 230	
	\$1,000, 1982..	1 238	6 252	4 973	330	10 782	4 561	5 287	
	1978..	857	3 231	2 756	321	5 456	2 518	2 980	
Petroleum products ----- farms, 1982..	455	1 208	1 334	195	1 655	1 105	1 173	244	
	1978..	475	1 329	1 523	213	1 797	1 059	1 230	
	\$1,000, 1982..	988	5 259	4 014	215	8 584	3 584	4 042	
	1978..	672	2 548	2 086	220	4 264	1 904	2 182	
Gasoline and gasohol ----- farms, 1982..	431	1 125	1 177	190	1 592	1 013	1 074	226	
	1978..	418	1 223	1 380	212	1 709	980	1 150	
	\$1,000, 1982..	524	1 911	1 372	109	3 705	1 185	1 423	
	1978..	389	1 207	983	124	2 197	770	1 027	
Storage capacity ----- farms, 1982..	340	953	892	147	1 347	754	785	167	
	1,000 gallons, 1982..	189	513	467	46	875	383	416	
	Diesel fuel ----- farms, 1982..	231	825	829	90	1 242	545	803	130
		1978..	286	821	737	66	1 183	585	674
\$1,000, 1982..		304	2 473	1 785	70	3 650	1 439	1 812	
1978..		163	897	652	23	1 538	627	795	
Storage capacity ----- farms, 1982..	184	717	640	71	1 071	425	668	109	
	1,000 gallons, 1982..	109	538	430	22	798	364	417	
	LP gas, butane, and propane ----- farms, 1982..	42	211	232	11	220	197	169	22
		1978..	65	163	227	23	151	165	168
\$1,000, 1982..		51	417	566	(D)	670	519	474	
1978..		18	229	255	11	164	279	156	
Storage capacity ----- farms, 1982..	30	168	175	10	183	167	128	15	
	1,000 gallons, 1982..	30	136	185	6	210	215	120	
	Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	53	99	50	7	117	100	76	2
		1978..	76	106	121	31	161	91	106
\$1,000, 1982..		21	53	39	(D)	46	91	52	
1978..		33	32	21	28	69	59	42	
Storage capacity ----- farms, 1982..	23	61	32	-	91	53	62	1	
	1,000 gallons, 1982..	14	28	15	-	29	39	20	
	Natural gas ----- farms, 1982..	4	43	26	6	24	17	54	11
		1978..	13	22	37	5	49	23	15
\$1,000, 1982..		20	130	16	8	52	161	45	
1978..		20	20	27	19	33	53	8	
Motor oil and grease <sup>2</sup> ----- farms, 1982..	455	1 208	1 334	195	1 655	1 105	1 173	244	
	1978..	475	1 329	1 523	213	1 797	1 059	1 230	
	\$1,000, 1982..	68	275	235	17	463	189	237	
	1978..	48	163	149	16	263	116	154	
Electricity ----- farms, 1982..	325	980	984	163	1 324	789	889	136	
	1978..	386	882	1 030	182	1 371	754	932	
	\$1,000, 1982..	237	976	905	100	2 125	963	1 215	
	1978..	183	679	663	97	1 169	602	787	
Other—coal, wood, coke, etc.----- farms, 1982..	43	70	74	48	115	30	69	18	
	1978..	17	22	23	16	66	39	46	
	\$1,000, 1982..	12	18	55	15	73	14	29	
	1978..	2	4	7	3	22	13	12	
1982 interest expense:									
Expenses reported ----- farms..	190	715	692	51	937	565	588	106	
\$1,000..	2 024	9 102	5 822	281	15 807	7 340	5 986	983	
Expenses reported as "No" ----- farms..	240	445	614	127	621	491	487	120	

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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	
Livestock and poultry purchased ----- farms, 1982..	32	254	381	295	31	450	-	50	
	1978..	28	312	478	279	31	3	38	
	\$1,000, 1982..	67	4 116	4 982	3 681	39	3 237	41	
	1978..	80	3 606	4 092	4 531	43	2 578	44	
Feed for livestock and poultry ----- farms, 1982..	65	515	611	450	54	685	4	69	
	1978..	62	481	643	469	53	773	4	74
	\$1,000, 1982..	161	4 074	3 715	5 037	246	5 927	3	240
	1978..	115	3 299	2 564	4 036	167	4 942	3	148
Commercially mixed formula feeds ----- farms, 1982..	20	224	324	251	27	429	3	23	
	1978..	29	270	254	220	27	364	2	34
	tons, 1982..	470	11 820	12 104	18 081	465	17 282	9	507
	1978..	495	10 087	6 740	15 356	376	15 892	(D)	429
\$1,000, 1982..	77	2 207	2 157	3 440	105	3 626	1	112	
	1978..	74	2 077	1 216	2 843	78	3 093	(D)	76
	Seeds, bulbs, plants, and trees ----- farms, 1982..	52	809	955	615	64	1 004	1	59
		1978..	42	820	942	748	62	1 124	2
\$1,000, 1982..		100	1 624	1 949	1 972	117	3 444	(D)	38
1978..		38	1 300	1 290	1 965	87	2 782	(D)	31
Commercial fertilizer ----- farms, 1982..	48	792	925	609	61	1 097	1	58	
	1978..	46	806	930	738	61	1 192	1	74
	\$1,000, 1982..	146	3 987	5 252	4 111	285	4 501	(D)	79
	1978..	70	2 999	3 470	3 080	124	3 381	(D)	61
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	25	700	762	575	43	972	-	39	
	1978..	32	698	912	725	52	1 190	1	40
	\$1,000, 1982..	79	1 850	2 159	1 658	82	3 856	-	26
	1978..	45	937	1 350	1 180	60	2 511	(D)	19
Hired farm labor ----- farms, 1982..	39	329	338	401	20	721	-	45	
	1978..	33	475	360	428	29	655	-	37
	\$1,000, 1982..	278	1 884	2 777	4 626	229	10 072	-	54
	1978..	201	1 758	2 536	3 666	132	7 769	-	57
Contract labor ----- farms, 1982..	2	21	17	66	3	99	-	2	
	1978..	7	7	55	65	3	129	-	-
	\$1,000, 1982..	(D)	15	48	315	(D)	1 499	-	(D)
	1978..	5	16	138	83	2	846	-	-
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	13	382	449	275	23	540	-	35	
	1978..	31	400	502	343	22	618	-	45
	\$1,000, 1982..	5	338	523	497	16	864	-	5
	1978..	12	371	498	470	17	784	-	14
Energy and petroleum products ----- farms, 1982..	98	1 011	1 242	961	91	1 519	3	118	
	1978..	92	992	1 180	971	91	1 456	5	127
	\$1,000, 1982..	278	3 746	4 268	4 693	328	6 770	(D)	181
	1978..	116	2 225	2 471	3 007	174	4 776	2	118
Petroleum products ----- farms, 1982..	98	1 011	1 242	961	91	1 511	3	118	
	1978..	92	992	1 176	971	91	1 450	5	127
	\$1,000, 1982..	207	2 936	3 418	3 814	247	5 159	(Z)	124
	1978..	91	1 715	1 878	2 458	129	3 385	1	82
Gasoline and gasohol ----- farms, 1982..	95	878	1 159	841	77	1 449	3	116	
	1978..	91	931	1 144	890	85	1 360	5	125
	\$1,000, 1982..	124	1 102	1 334	1 048	78	1 940	(D)	71
	1978..	58	840	943	796	53	1 330	1	55
Storage capacity ----- farms, 1982..	66	656	829	571	45	947	-	74	
	1,000 gallons, 1982..	30	329	379	301	21	501	-	31
	Diesel fuel ----- farms, 1982..	38	609	671	463	51	791	-	37
		1978..	27	521	538	479	47	752	2
\$1,000, 1982..		62	1 304	1 442	1 082	125	1 608	-	36
1978..		18	677	567	517	47	871	(D)	16
Storage capacity ----- farms, 1982..	29	497	503	350	36	595	-	22	
	1,000 gallons, 1982..	12	323	317	238	20	344	-	14
	LP gas, butane, and propane ----- farms, 1982..	15	155	108	194	20	210	-	3
		1978..	13	65	105	230	9	210	-
\$1,000, 1982..		5	258	243	505	29	247	-	2
1978..		(D)	57	159	294	9	223	-	1
Storage capacity ----- farms, 1982..	9	135	78	136	12	102	-	1	
	1,000 gallons, 1982..	3	112	83	165	10	79	-	(D)
	Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	6	61	56	79	1	139	-	-
		1978..	7	94	108	57	9	173	-
\$1,000, 1982..		(D)	32	22	75	(D)	84	-	-
1978..		3	22	58	101	11	133	-	1
Storage capacity ----- farms, 1982..	2	19	19	27	1	87	-	-	
	1,000 gallons, 1982..	(D)	12	6	13	(D)	34	-	-
	Natural gas ----- farms, 1982..	2	36	22	97	1	82	-	-
		1978..	1	18	35	74	-	64	-
\$1,000, 1982..		(D)	56	137	939	(D)	1 034	-	-
1978..		(D)	11	19	580	-	637	-	-
Motor oil and grease <sup>2</sup> ----- farms, 1982..	98	1 011	1 242	961	91	1 511	3	118	
	1978..	92	992	1 176	970	91	1 450	5	127
	\$1,000, 1982..	13	185	239	166	(D)	246	-	15
	1978..	9	108	133	171	9	190	(D)	10
Electricity ----- farms, 1982..	76	720	849	706	60	1 100	1	100	
	1978..	71	714	786	645	57	1 122	3	90
	\$1,000, 1982..	67	773	838	850	79	1 578	(D)	55
	1978..	23	495	584	541	42	1 373	(D)	35
Other—coal, wood, coke, etc. ----- farms, 1982..	12	92	18	58	4	98	2	8	
	1978..	13	64	33	17	4	40	2	9
	\$1,000, 1982..	4	38	13	28	1	34	(D)	2
	1978..	3	15	9	7	2	19	(D)	1
1982 interest expense:									
	Expenses reported ----- farms..	41	521	555	503	33	640	-	39
	\$1,000..	140	4 050	6 140	4 828	183	6 931	-	132
Expenses reported as "No" ----- farms..	53	438	656	422	57	828	4	76	

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	502	99	456	321	9	35	159	81
1978..	440	81	511	263	13	33	153	119
\$1,000, 1982..	4 407	1 074	5 936	3 256	176	85	1 726	293
1978..	3 661	919	8 263	1 808	212	71	1 209	154
Feed for livestock and poultry ----- farms, 1982..	721	144	685	499	19	69	259	114
1978..	748	150	674	431	19	65	322	162
\$1,000, 1982..	3 864	822	6 138	4 189	46	599	1 297	173
1978..	2 654	751	4 343	1 686	91	436	1 096	169
Commercially mixed formula feeds ----- farms, 1982..	386	76	304	302	8	43	123	44
1978..	366	82	283	232	3	37	149	66
tons, 1982..	7 943	2 531	15 035	16 710	215	1 564	5 368	448
1978..	5 972	1 823	10 787	4 107	337	1 439	2 640	451
\$1,000, 1982..	2 057	470	3 075	2 487	26	291	929	78
1978..	1 196	259	1 885	645	41	239	573	57
Seeds, bulbs, plants, and trees ----- farms, 1982..	957	185	1 314	564	18	51	555	153
1978..	951	260	1 521	561	18	49	617	203
\$1,000, 1982..	1 990	264	4 837	933	34	37	2 007	304
1978..	1 365	503	3 426	810	28	37	1 596	251
Commercial fertilizer ----- farms, 1982..	965	322	1 304	546	16	55	625	185
1978..	1 018	325	1 551	557	22	63	674	246
\$1,000, 1982..	5 045	1 103	11 852	2 636	34	98	2 093	564
1978..	3 523	921	8 358	1 976	34	105	1 688	323
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	801	336	1 199	432	11	21	599	185
1978..	799	363	1 444	534	14	35	639	193
\$1,000, 1982..	2 052	1 671	5 159	863	9	13	1 206	1 001
1978..	1 232	976	2 914	644	9	30	733	411
Hired farm labor ----- farms, 1982..	417	214	538	278	9	31	317	138
1978..	559	218	543	259	16	33	390	141
\$1,000, 1982..	5 060	2 849	3 831	2 825	15	158	3 703	1 575
1978..	4 762	2 393	2 532	1 203	62	110	3 396	1 254
Contract labor ----- farms, 1982..	58	58	40	18	1	2	32	36
1978..	37	78	68	3	1	2	19	46
\$1,000, 1982..	163	186	359	141	(D)	(D)	104	289
1978..	219	658	585	32	(D)	(D)	256	227
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	514	145	550	237	10	25	219	114
1978..	556	187	786	377	12	23	305	141
\$1,000, 1982..	535	536	1 271	419	3	30	322	188
1978..	566	425	856	339	8	19	228	117
Energy and petroleum products ----- farms, 1982..	1 361	429	1 618	884	30	96	819	304
1978..	1 315	416	1 840	781	30	87	839	331
\$1,000, 1982..	4 979	1 678	7 130	2 926	87	254	3 550	837
1978..	3 211	772	4 299	1 488	71	146	2 436	517
Petroleum products ----- farms, 1982..	1 361	429	1 618	884	30	96	819	304
1978..	1 315	416	1 840	781	30	87	839	331
\$1,000, 1982..	3 837	1 292	5 955	2 251	62	180	2 922	603
1978..	2 255	618	3 547	1 071	56	106	1 972	381
Gasoline and gasohol ----- farms, 1982..	1 276	404	1 478	800	28	79	731	294
1978..	1 214	395	1 689	728	30	83	810	311
\$1,000, 1982..	1 428	697	2 140	904	30	88	869	327
1978..	971	323	1 576	527	29	60	722	239
Storage capacity ----- farms, 1982..	789	297	1 134	531	19	65	441	169
1,000 gallons, 1982..	398	209	568	245	13	27	246	94
Diesel fuel ----- farms, 1982..	645	275	1 037	412	21	68	437	122
1978..	649	250	1 098	408	18	46	336	154
\$1,000, 1982..	1 504	474	2 659	898	27	72	638	177
1978..	613	209	1 304	363	22	28	266	93
Storage capacity ----- farms, 1982..	464	232	782	269	17	51	317	103
1,000 gallons, 1982..	306	178	558	264	10	19	178	52
LP gas, butane, and propane ----- farms, 1982..	167	46	254	110	4	5	95	50
1978..	126	23	307	96	1	4	83	44
\$1,000, 1982..	314	30	684	235	1	(D)	98	42
1978..	137	4	376	72	(D)	3	61	20
Storage capacity ----- farms, 1982..	91	23	218	68	3	3	72	13
1,000 gallons, 1982..	89	10	233	61	(D)	(D)	46	7
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	90	18	76	88	3	15	63	32
1978..	96	57	93	113	4	10	144	30
\$1,000, 1982..	49	7	45	46	(D)	4	147	17
1978..	34	27	54	40	(D)	6	475	4
Storage capacity ----- farms, 1982..	34	9	40	52	-	10	33	15
1,000 gallons, 1982..	21	4	11	14	-	3	21	9
Natural gas ----- farms, 1982..	68	5	47	3	2	2	64	-
1978..	24	10	28	10	-	-	61	-
\$1,000, 1982..	342	4	105	30	(D)	(D)	924	-
1978..	348	3	9	6	-	-	356	-
Motor oil and grease <sup>2</sup> ----- farms, 1982..	1 361	429	1 618	884	30	96	819	304
1978..	1 315	416	1 840	781	30	87	839	331
\$1,000, 1982..	200	80	321	139	4	13	125	40
1978..	152	51	228	63	3	9	91	27
Electricity ----- farms, 1982..	943	360	1 220	611	20	78	555	239
1978..	949	310	1 175	558	21	69	621	232
\$1,000, 1982..	1 098	354	1 163	665	23	66	568	230
1978..	939	147	738	408	(D)	37	460	130
Other—coal, wood, coke, etc. ----- farms, 1982..	74	78	32	56	4	24	63	6
1978..	45	38	51	48	2	7	15	25
\$1,000, 1982..	43	31	11	10	2	8	60	3
1978..	18	7	14	9	(D)	2	4	6
1982 interest expense:								
Expenses reported ----- farms..	581	227	880	375	18	43	291	95
\$1,000, 1982..	5 373	1 984	11 775	3 500	130	280	1 904	690
Expenses reported as "No" ----- farms..	713	180	689	481	11	49	513	191

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	38	141	216	143	184	145	338	382
1978..	44	81	235	168	123	150	383	350
\$1,000, 1982..	25	1 295	2 810	593	3 164	1 375	3 805	1 035
1978..	67	1 084	531	516	1 744	1 503	3 009	926
Feed for livestock and poultry ----- farms, 1982..	71	219	392	355	264	250	436	546
1978..	71	192	371	390	154	276	478	537
\$1,000, 1982..	172	1 357	2 552	3 529	1 622	4 141	3 446	3 021
1978..	299	729	1 570	2 580	641	2 993	1 587	2 542
Commercially mixed formula feeds ----- farms, 1982..	34	102	189	252	142	200	226	272
1978..	33	106	174	254	58	188	224	247
tons, 1982..	858	2 823	4 806	14 705	1 528	14 671	10 103	6 672
1978..	1 608	1 813	5 293	12 022	1 756	11 086	4 974	7 701
\$1,000, 1982..	128	640	1 101	2 268	333	2 403	1 674	1 389
1978..	222	330	841	1 795	310	1 626	797	1 353
Seeds, bulbs, plants, and trees ----- farms, 1982..	32	294	469	272	363	264	1 225	803
1978..	50	343	478	285	375	299	1 158	974
\$1,000, 1982..	45	521	782	430	859	457	4 031	3 586
1978..	24	586	528	270	606	324	2 501	2 542
Commercial fertilizer ----- farms, 1982..	49	311	425	325	376	259	1 128	869
1978..	56	378	481	390	465	303	1 311	985
\$1,000, 1982..	87	1 197	1 369	1 098	2 189	1 357	7 315	5 521
1978..	85	987	1 007	842	1 679	744	5 193	3 903
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	27	300	289	226	303	225	996	709
1978..	41	372	397	284	410	280	1 208	928
\$1,000, 1982..	35	944	614	249	976	300	3 521	2 895
1978..	31	603	314	164	523	263	2 117	1 683
Hired farm labor ----- farms, 1982..	33	216	209	174	188	161	392	385
1978..	32	182	187	196	153	170	447	398
\$1,000, 1982..	126	1 546	1 096	1 209	516	1 263	4 119	3 492
1978..	145	1 114	859	784	331	657	2 629	2 268
Contract labor ----- farms, 1982..	-	24	21	2	20	15	49	37
1978..	3	75	24	26	26	13	58	41
\$1,000, 1982..	-	216	48	(D)	22	36	204	575
1978..	1	154	5	18	12	13	59	134
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	10	172	213	170	183	144	513	468
1978..	29	221	264	225	259	150	639	571
\$1,000, 1982..	28	228	256	90	284	213	667	963
1978..	17	204	220	108	219	137	619	655
Energy and petroleum products ----- farms, 1982..	125	492	676	458	502	322	1 452	1 124
1978..	101	496	682	490	524	359	1 520	1 208
\$1,000, 1982..	238	1 579	2 081	1 585	1 572	1 710	5 825	5 221
1978..	146	763	1 111	981	825	943	3 318	2 828
Petroleum products ----- farms, 1982..	125	492	676	458	502	322	1 452	1 124
1978..	101	496	677	490	524	359	1 520	1 208
\$1,000, 1982..	181	1 097	1 508	1 184	1 347	1 089	5 089	3 946
1978..	116	575	736	710	692	628	2 724	2 086
Gasoline and gasohol ----- farms, 1982..	119	421	641	437	442	295	1 323	1 054
1978..	98	466	648	473	500	333	1 478	1 143
\$1,000, 1982..	85	481	637	490	608	459	1 781	1 603
1978..	57	301	437	395	374	290	1 290	908
Storage capacity ----- farms, 1982..	93	220	437	379	295	221	1 012	759
1,000 gallons, 1982..	29	148	236	134	153	107	537	420
Diesel fuel ----- farms, 1982..	55	257	359	270	297	179	827	543
1978..	34	245	253	228	221	221	700	649
\$1,000, 1982..	56	435	648	531	545	494	2 071	1 738
1978..	26	178	185	180	242	209	760	867
Storage capacity ----- farms, 1982..	42	185	285	255	284	150	629	436
1,000 gallons, 1982..	12	111	209	90	166	89	467	420
LP gas, butane, and propane ----- farms, 1982..	18	43	61	73	48	23	235	137
1978..	14	45	32	56	24	23	203	115
\$1,000, 1982..	9	72	103	57	96	18	464	268
1978..	7	32	25	31	22	27	274	77
Storage capacity ----- farms, 1982..	7	40	31	37	43	21	223	111
1,000 gallons, 1982..	2	35	27	26	45	20	193	99
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	9	52	40	37	10	28	106	78
1978..	17	53	46	76	32	48	149	98
\$1,000, 1982..	20	31	14	24	6	37	39	39
1978..	15	18	16	31	(D)	56	95	41
Storage capacity ----- farms, 1982..	6	39	17	34	3	12	69	68
1,000 gallons, 1982..	3	22	11	11	1	4	19	20
Natural gas ----- farms, 1982..	-	-	3	18	5	5	45	20
1978..	3	3	24	17	1	3	21	26
\$1,000, 1982..	-	-	4	12	8	7	458	59
1978..	1	2	19	20	(D)	1	152	39
Motor oil and grease <sup>2</sup> ----- farms, 1982..	125	492	676	458	502	322	1 452	1 124
1978..	101	496	677	490	524	359	1 520	1 208
\$1,000, 1982..	11	77	103	69	83	75	275	239
1978..	10	44	53	52	44	45	152	154
Electricity ----- farms, 1982..	70	386	506	393	356	300	919	843
1978..	73	362	446	399	383	262	869	818
\$1,000, 1982..	51	462	548	397	222	601	706	1 258
1978..	28	185	354	262	129	(D)	484	722
Other—coal, wood, coke, etc. ----- farms, 1982..	15	56	54	47	10	64	93	47
1978..	11	24	43	31	10	1	32	73
\$1,000, 1982..	5	20	24	15	3	20	30	17
1978..	2	3	22	9	4	(D)	110	21
1982 interest expense:								
Expenses reported ----- farms..	29	219	265	226	283	203	719	510
\$1,000, 1982..	122	1 967	2 212	2 276	2 838	2 918	6 652	6 551
Expenses reported as "No" ----- farms..	93	260	395	223	205	136	670	562

See footnotes at end of table.



**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	48	152	302	272	189	128	39	229
1978..	28	204	279	146	197	126	39	160
\$1,000, 1982..	148	977	1 649	726	1 323	468	63	619
1978..	47	1 516	894	791	1 351	273	55	636
Feed for livestock and poultry ----- farms, 1982..	58	238	437	391	257	205	109	379
1978..	62	270	485	291	278	207	112	362
\$1,000, 1982..	344	1 734	4 574	1 065	2 033	1 002	219	2 995
1978..	239	1 094	2 744	957	1 205	627	320	2 096
Commercially mixed formula feeds ----- farms, 1982..	30	132	254	247	162	111	39	249
1978..	29	145	259	145	129	96	55	174
tons, 1982..	1 077	4 047	23 987	3 708	5 837	1 988	858	7 666
1978..	1 072	2 940	13 151	2 744	4 745	2 333	1 949	7 649
\$1,000, 1982..	199	759	3 696	599	1 072	413	145	1 489
1978..	168	531	1 827	449	721	356	259	1 121
Seeds, bulbs, plants, and trees ----- farms, 1982..	56	314	566	238	528	199	54	337
1978..	64	324	642	381	574	214	80	348
\$1,000, 1982..	64	748	1 070	1 797	911	272	17	338
1978..	53	568	682	2 085	1 042	226	24	300
Commercial fertilizer ----- farms, 1982..	56	354	499	223	543	172	61	299
1978..	76	390	669	313	681	199	82	340
\$1,000, 1982..	181	1 571	1 997	674	1 824	641	34	711
1978..	132	1 040	1 339	760	1 807	603	66	634
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	44	279	434	223	564	111	17	208
1978..	44	340	575	338	643	143	38	280
\$1,000, 1982..	47	1 140	1 716	449	2 706	202	10	213
1978..	27	555	712	280	1 623	152	24	163
Hired farm labor ----- farms, 1982..	38	193	292	276	367	73	49	207
1978..	28	200	294	226	426	124	62	187
\$1,000, 1982..	163	3 130	2 963	2 752	4 077	444	68	1 147
1978..	95	2 156	1 692	3 429	4 043	395	94	481
Contract labor ----- farms, 1982..	-	34	42	58	76	3	4	12
1978..	6	53	13	61	131	14	6	13
\$1,000, 1982..	-	276	358	353	558	2	1	21
1978..	7	498	59	144	686	11	4	11
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	34	137	234	110	285	51	18	180
1978..	33	216	366	192	412	110	45	192
\$1,000, 1982..	23	275	383	92	483	65	11	156
1978..	27	276	252	116	562	49	13	107
Energy and petroleum products ----- farms, 1982..	106	473	784	682	735	308	145	549
1978..	108	484	804	610	769	302	147	548
\$1,000, 1982..	350	1 970	2 708	1 797	2 419	1 034	223	1 415
1978..	159	1 317	1 587	1 347	1 502	612	161	898
Petroleum products ----- farms, 1982..	106	473	784	682	735	308	145	549
1978..	108	484	804	610	769	302	147	548
\$1,000, 1982..	252	1 411	1 894	1 427	1 766	720	165	945
1978..	115	953	1 114	1 066	1 067	434	108	537
Gasoline and gasohol ----- farms, 1982..	95	428	741	644	648	267	145	506
1978..	98	452	761	564	721	286	146	517
\$1,000, 1982..	100	504	872	469	891	291	91	421
1978..	54	443	564	397	578	185	78	312
Storage capacity ----- farms, 1982..	68	293	442	307	439	182	103	394
1,000 gallons, 1982..	36	159	225	149	235	114	29	145
Diesel fuel ----- farms, 1982..	71	259	355	239	483	176	53	248
1978..	54	225	379	243	407	144	44	177
\$1,000, 1982..	122	520	702	406	612	338	48	371
1978..	41	276	290	164	328	145	13	146
Storage capacity ----- farms, 1982..	52	188	292	126	366	142	37	172
1,000 gallons, 1982..	26	139	190	112	191	83	10	86
LP gas, butane, and propane ----- farms, 1982..	14	40	78	74	54	29	12	38
1978..	13	43	28	38	57	7	6	29
\$1,000, 1982..	8	69	131	119	75	19	11	32
1978..	9	22	38	30	17	8	3	12
Storage capacity ----- farms, 1982..	9	30	56	34	25	23	8	13
1,000 gallons, 1982..	6	26	46	49	20	11	7	7
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	9	44	41	127	58	32	12	31
1978..	10	31	82	59	106	37	4	52
\$1,000, 1982..	(D)	20	27	46	50	(D)	(D)	39
1978..	(D)	22	53	40	50	55	(Z)	12
Storage capacity ----- farms, 1982..	2	17	20	61	30	26	2	20
1,000 gallons, 1982..	(D)	5	6	25	18	7	(D)	6
Natural gas ----- farms, 1982..	4	16	10	23	9	2	2	11
1978..	2	34	12	45	6	16	4	5
\$1,000, 1982..	(D)	201	49	322	5	(D)	(D)	8
1978..	(D)	120	70	384	4	6	3	5
Motor oil and grease <sup>2</sup> ----- farms, 1982..	106	473	784	682	735	308	145	549
1978..	108	484	804	610	769	302	147	548
\$1,000, 1982..	19	96	114	65	133	55	13	78
1978..	9	69	99	51	91	36	11	46
Electricity ----- farms, 1982..	80	377	552	470	521	241	113	424
1978..	74	369	547	419	553	209	122	414
\$1,000, 1982..	93	544	800	359	636	301	56	458
1978..	43	358	468	280	428	174	49	300
Other—coal, wood, coke, etc. ----- farms, 1982..	15	30	49	61	37	49	12	40
1978..	9	51	32	7	37	15	18	18
\$1,000, 1982..	5	15	14	11	16	13	3	12
1978..	1	6	6	1	7	4	4	2
1982 interest expense: ----- farms..	41	188	353	206	370	68	59	240
Expenses reported ----- \$1,000..	415	1 784	2 978	977	2 847	1 082	157	1 387
Expenses reported as "No" ----- farms..	65	277	386	459	332	217	77	300

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	42	47	628	103	16	347	324	420
1978..	33	39	721	179	7	394	358	400
\$1,000, 1982..	155	378	11 349	347	8	2 255	1 727	3 006
1978..	155	61	10 731	485	6	1 644	2 876	2 561
Feed for livestock and poultry ----- farms, 1982..	66	73	909	175	23	466	568	559
1978..	58	76	1 015	212	18	549	590	597
\$1,000, 1982..	329	374	28 696	1 018	32	2 236	2 874	4 878
1978..	291	130	16 178	750	37	1 991	3 240	4 172
Commercially mixed formula feeds ----- farms, 1982..	37	40	534	78	8	248	253	244
1978..	30	30	534	66	3	230	269	325
tons, 1982..	919	912	127 543	2 385	55	5 046	9 418	12 949
1978..	1 208	325	76 342	2 963	75	6 000	12 527	17 745
\$1,000, 1982..	155	165	23 130	458	7	1 074	1 692	2 669
1978..	175	53	12 848	437	(D)	1 136	2 020	2 699
Seeds, bulbs, plants, and trees ----- farms, 1982..	50	90	1 126	201	7	1 436	889	843
1978..	58	99	1 147	225	10	1 455	842	870
\$1,000, 1982..	40	88	4 981	375	5	3 324	1 479	1 995
1978..	35	67	3 507	324	15	2 721	1 066	1 352
Commercial fertilizer ----- farms, 1982..	54	98	1 259	232	16	1 461	927	781
1978..	53	101	1 303	299	12	1 621	945	870
\$1,000, 1982..	125	175	4 971	948	19	9 861	3 667	6 200
1978..	97	174	3 043	724	10	7 284	2 723	4 187
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	36	62	1 101	143	6	1 376	732	772
1978..	35	82	1 187	222	5	1 493	747	858
\$1,000, 1982..	24	38	3 295	422	10	4 608	1 772	2 467
1978..	19	67	1 685	238	(D)	2 466	859	1 394
Hired farm labor ----- farms, 1982..	32	61	738	139	14	638	310	316
1978..	31	49	748	191	10	517	371	285
\$1,000, 1982..	169	152	17 031	825	18	3 160	2 411	2 423
1978..	59	86	9 474	565	(D)	2 098	1 283	1 722
Contract labor ----- farms, 1982..	1	4	86	-	-	38	42	24
1978..	1	7	82	21	1	39	20	35
\$1,000, 1982..	(D)	11	481	-	-	131	72	466
1978..	(D)	5	1 301	32	(D)	105	58	161
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	20	28	733	88	4	505	342	446
1978..	22	29	718	141	3	707	450	554
\$1,000, 1982..	5	11	1 265	64	1	668	481	809
1978..	4	12	755	85	(D)	627	418	650
Energy and petroleum products ----- farms, 1982..	86	142	1 581	335	37	1 702	1 297	1 024
1978..	78	151	1 572	349	30	1 818	1 314	1 061
\$1,000, 1982..	183	355	8 098	1 156	40	6 450	3 755	4 650
1978..	122	208	4 009	636	30	3 514	2 058	2 541
Petroleum products ----- farms, 1982..	86	142	1 561	335	37	1 702	1 297	1 024
1978..	78	149	1 572	349	30	1 818	1 314	1 061
\$1,000, 1982..	140	271	5 950	898	31	5 571	3 000	3 799
1978..	79	156	2 817	462	21	2 951	1 594	1 936
Gasoline and gasohol ----- farms, 1982..	80	128	1 486	314	35	1 621	1 178	916
1978..	74	144	1 523	326	30	1 751	1 203	1 034
\$1,000, 1982..	65	128	2 401	340	21	2 520	1 127	1 281
1978..	45	90	1 389	230	16	1 647	828	786
Storage capacity ----- farms, 1982..	45	98	1 042	210	21	1 370	866	672
1,000 gallons, 1982..	23	50	508	108	9	729	433	298
Diesel fuel ----- farms, 1982..	53	86	753	203	15	1 039	825	577
1978..	42	69	613	197	7	893	606	519
\$1,000, 1982..	60	102	1 628	443	7	2 330	1 293	1 592
1978..	24	41	581	173	3	882	461	654
Storage capacity ----- farms, 1982..	34	68	592	163	11	919	664	461
1,000 gallons, 1982..	11	29	319	103	4	606	359	313
LP gas, butane, and propane ----- farms, 1982..	14	9	206	52	-	135	145	271
1978..	8	11	125	27	-	78	77	268
\$1,000, 1982..	5	9	661	40	-	247	246	646
1978..	3	4	213	(D)	-	79	88	301
Storage capacity ----- farms, 1982..	10	7	117	34	-	120	116	204
1,000 gallons, 1982..	4	2	176	19	-	110	95	262
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	6	17	95	32	2	53	120	138
1978..	3	16	157	46	2	155	68	89
\$1,000, 1982..	(D)	(D)	105	5	(D)	11	59	52
1978..	1	6	231	9	(D)	55	67	27
Storage capacity ----- farms, 1982..	4	10	51	4	1	26	71	52
1,000 gallons, 1982..	1	7	24	1	(D)	7	21	17
Natural gas ----- farms, 1982..	1	2	115	21	2	60	26	33
1978..	-	4	83	2	1	60	12	8
\$1,000, 1982..	(D)	(D)	885	9	(D)	124	76	30
1978..	-	1	233	(D)	(D)	76	19	31
Motor oil and grease <sup>2</sup> ----- farms, 1982..	86	142	1 561	335	37	1 702	1 297	1 024
1978..	78	149	1 572	349	30	1 818	1 314	1 061
\$1,000, 1982..	9	27	271	62	2	338	199	199
1978..	6	11	169	36	2	213	132	137
Electricity ----- farms, 1982..	52	98	1 270	297	24	1 179	856	717
1978..	50	111	1 150	298	25	1 109	942	673
\$1,000, 1982..	40	74	2 118	237	8	840	737	838
1978..	(D)	46	1 172	153	(D)	538	448	589
Other—coal, wood, coke, etc.----- farms, 1982..	10	11	83	31	6	120	33	33
1978..	2	15	16	75	2	88	42	41
\$1,000, 1982..	3	10	30	21	1	39	18	13
1978..	(D)	6	20	20	(D)	25	16	17
1982 interest expense:								
Expenses reported ----- farms..	46	42	799	86	14	707	507	521
\$1,000, 1982..	289	369	9 617	1 028	18	7 212	3 501	7 048
Expenses reported as "No" ----- farms..	36	96	687	237	21	907	751	497

See footnotes at end of table.

**Table 6. Selected Farm Production Expenses and Fuel Storage Capacity: 1982 and 1978—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
Livestock and poultry purchased ----- farms, 1982..	435	18	270	299	301	464	51	41
1978..	585	17	329	349	403	525	84	65
\$1,000, 1982..	4 068	60	2 130	2 011	2 787	4 028	62	79
1978..	3 571	46	1 529	2 973	2 629	3 153	185	137
Feed for livestock and poultry ----- farms, 1982..	958	30	454	469	491	734	111	132
1978..	1 002	33	510	498	495	775	110	93
\$1,000, 1982..	7 861	46	2 855	5 239	5 202	4 694	294	545
1978..	6 368	81	3 625	3 992	2 737	2 737	273	404
Commercially mixed formula feeds ----- farms, 1982..	718	10	232	224	267	320	52	61
1978..	646	16	269	233	201	381	51	36
tons, 1982..	20 403	164	6 250	21 836	14 190	10 222	1 808	2 948
1978..	19 229	(D)	10 628	17 291	9 207	9 074	958	1 536
\$1,000, 1982..	4 231	21	1 264	3 938	2 822	2 207	236	418
1978..	3 782	56	1 866	2 756	1 451	1 627	138	304
Seeds, bulbs, plants, and trees ----- farms, 1982..	1 506	30	1 059	1 288	817	973	279	117
1978..	1 572	29	1 042	1 326	1 034	1 115	311	153
\$1,000, 1982..	4 088	21	1 848	3 924	2 269	2 349	481	95
1978..	3 279	34	1 562	3 203	1 696	1 746	905	100
Commercial fertilizer ----- farms, 1982..	1 498	38	1 043	1 233	1 136	885	322	109
1978..	1 710	35	1 200	1 418	1 273	1 113	262	132
\$1,000, 1982..	12 231	61	4 780	11 844	4 733	5 364	1 021	187
1978..	8 776	59	3 702	9 800	3 389	3 971	530	186
Other agricultural chemicals <sup>1</sup> ----- farms, 1982..	1 355	20	999	1 060	1 085	813	258	58
1978..	1 549	22	1 069	1 239	1 290	1 016	237	113
\$1,000, 1982..	3 760	15	1 944	3 921	4 431	1 876	467	111
1978..	2 251	21	1 217	2 665	2 544	1 203	233	75
Hired farm labor ----- farms, 1982..	702	15	382	535	691	500	125	59
1978..	754	20	457	605	805	398	134	55
\$1,000, 1982..	5 215	30	1 974	3 596	8 216	3 041	1 937	166
1978..	3 536	51	1 587	2 651	7 462	2 453	1 490	202
Contract labor ----- farms, 1982..	46	4	30	84	178	77	21	14
1978..	81	1	52	92	261	61	46	7
\$1,000, 1982..	178	1	56	464	952	305	52	20
1978..	203	(D)	94	249	673	80	43	71
Customwork, machine hire, and rental of machinery and equipment ----- farms, 1982..	721	12	359	576	567	451	151	55
1978..	894	12	597	745	801	559	105	84
\$1,000, 1982..	1 069	(D)	378	773	1 107	571	62	12
1978..	1 212	4	473	707	1 366	540	80	34
Energy and petroleum products ----- farms, 1982..	1 842	56	1 387	1 471	1 464	1 335	439	229
1978..	1 963	54	1 386	1 562	1 615	1 362	463	227
\$1,000, 1982..	9 577	89	4 907	7 465	5 210	5 511	2 577	415
1978..	5 429	71	2 513	4 084	3 078	3 055	979	248
Petroleum products ----- farms, 1982..	1 842	56	1 387	1 471	1 464	1 329	439	229
1978..	1 963	54	1 386	1 562	1 615	1 362	451	227
\$1,000, 1982..	7 281	69	3 978	6 371	4 106	4 514	2 205	312
1978..	3 930	55	1 948	3 369	2 461	2 441	837	171
Gasoline and gasohol ----- farms, 1982..	1 605	49	1 176	1 418	1 356	1 258	380	229
1978..	1 860	51	1 283	1 513	1 495	1 316	425	216
\$1,000, 1982..	2 417	36	1 379	2 602	1 826	1 727	667	148
1978..	1 750	27	1 050	1 629	1 237	1 173	266	94
Storage capacity ----- farms, 1982..	1 265	21	904	1 151	993	874	215	154
1,000 gallons, 1982..	726	9	410	688	550	478	97	52
Diesel fuel ----- farms, 1982..	1 318	29	912	944	654	689	190	121
1978..	1 265	25	682	853	672	699	117	80
\$1,000, 1982..	3 574	25	1 814	2 737	1 313	1 599	365	123
1978..	1 574	19	632	1 151	531	695	59	47
Storage capacity ----- farms, 1982..	1 140	16	694	766	522	538	124	90
1,000 gallons, 1982..	897	6	448	613	339	329	84	31
LP gas, butane, and propane ----- farms, 1982..	217	4	214	217	263	199	49	20
1978..	203	5	111	205	239	133	39	7
\$1,000, 1982..	652	3	338	524	543	408	59	12
1978..	236	1	69	302	349	216	49	8
Storage capacity ----- farms, 1982..	159	3	149	178	203	164	28	11
1,000 gallons, 1982..	178	(D)	144	152	218	152	20	3
Fuel oil and kerosene <sup>2</sup> ----- farms, 1982..	133	4	132	116	126	144	37	7
1978..	161	7	74	155	181	110	65	18
\$1,000, 1982..	90	1	57	23	59	153	10	(Z)
1978..	60	3	58	45	81	54	27	7
Storage capacity ----- farms, 1982..	78	2	77	65	88	93	16	7
1,000 gallons, 1982..	24	(D)	42	15	22	68	5	1
Natural gas ----- farms, 1982..	55	-	37	53	31	52	71	-
1978..	31	-	25	32	34	21	60	10
\$1,000, 1982..	109	-	148	126	166	413	1 056	-
1978..	33	-	12	39	86	137	408	1
Motor oil and grease <sup>2</sup> ----- farms, 1982..	1 842	56	1 387	1 471	1 464	1 329	439	229
1978..	1 963	54	1 386	1 562	1 615	1 362	451	227
\$1,000, 1982..	440	4	242	359	199	214	48	29
1978..	278	6	128	202	176	166	28	15
Electricity ----- farms, 1982..	1 447	36	1 045	1 121	963	926	223	189
1978..	1 475	42	933	1 067	1 123	950	280	141
\$1,000, 1982..	2 245	16	872	1 068	1 054	953	369	99
1978..	1 481	(D)	563	699	609	600	137	73
Other—coal, wood, coke, etc. ----- farms, 1982..	109	10	88	66	89	72	6	9
1978..	47	2	21	42	35	30	33	6
\$1,000, 1982..	51	4	57	26	50	44	3	4
1978..	17	(D)	2	16	8	14	5	4
1982 interest expense:								
Expenses reported ----- farms..	1 119	16	740	681	760	584	158	43
\$1,000..	12 978	125	5 532	9 627	7 723	5 025	751	399
Expenses reported as "No" ----- farms..	647	37	562	701	600	640	236	186

<sup>1</sup>Data for 1978 include the cost of lime which was not collected in 1982.

<sup>2</sup>1982 data include kerosene with fuel oil; 1978 data include kerosene with motor oil and grease.