

Table 3. Farm Production Expenses: 1987 and 1982

[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
Total farm production expenses ----- farms, 1987	51 175	229	63	1 634	424	248	332
\$1,000, 1987	2 211 823	2 744	1 529	103 807	9 067	9 821	14 115
Average per farm -----dollars, 1987	43 221	11 983	24 265	63 529	21 393	39 602	42 514
Livestock and poultry purchased ----- farms, 1987	15 088	68	20	563	146	76	75
1982	16 849	100	27	639	166	113	96
\$1,000, 1987	190 386	543	123	11 437	679	667	710
1982	170 034	861	70	11 416	408	1 132	566
Feed for livestock and poultry ----- farms, 1987	23 220	131	40	799	227	128	123
1982	27 182	195	51	940	240	140	145
\$1,000, 1987	273 192	364	323	20 798	1 041	1 290	1 197
1982	254 964	631	366	20 154	1 315	1 159	1 041
Commercially mixed formula feeds ----- farms, 1987	11 999	43	29	467	122	53	87
1982	14 434	68	35	529	91	78	81
\$1,000, 1987	153 493	243	289	13 535	486	886	689
1982	153 703	467	290	14 262	761	915	677
Seeds, bulbs, plants, and trees ----- farms, 1987	35 507	65	23	1 086	241	172	245
1982	41 846	93	32	1 323	274	147	275
\$1,000, 1987	111 895	56	25	2 908	459	370	729
1982	105 161	79	29	3 187	313	331	711
Commercial fertilizer ¹ ----- farms, 1987	37 298	75	32	1 125	273	164	277
1982	43 009	127	40	1 406	325	145	279
\$1,000, 1987	194 526	120	45	5 487	684	791	1 765
1982	242 091	254	51	7 788	626	928	2 038
Agricultural chemicals ¹ ----- farms, 1987	35 505	53	30	1 137	204	170	229
1982	37 506	58	28	1 291	173	153	242
\$1,000, 1987	119 993	27	19	4 259	359	724	829
1982	114 159	26	15	3 542	165	599	939
Petroleum products ----- farms, 1987	48 558	202	59	1 529	408	241	312
1982	58 375	295	76	1 824	437	279	377
\$1,000, 1987	120 621	198	74	4 315	624	450	910
1982	181 320	357	115	6 589	782	727	1 211
Gasoline and gasohol ----- farms, 1987	41 658	175	56	1 310	291	231	275
1982	53 792	294	72	1 690	379	257	339
\$1,000, 1987	42 655	103	38	1 361	217	196	361
1982	70 711	199	63	2 324	316	318	451
Diesel fuel ----- farms, 1987	29 904	106	28	1 002	299	172	225
1982	32 771	116	30	991	280	166	267
\$1,000, 1987	50 970	67	27	1 544	296	199	431
1982	70 978	127	33	2 063	365	332	597
Natural gas ----- farms, 1987	1 941	4	1	103	28	18	8
1982	1 819	1	2	149	6	-	2
\$1,000, 1987	9 571	1	(D)	774	16	4	8
1982	10 346	(D)	(D)	805	1	-	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987	35 310	141	38	1 177	293	178	243
1982	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987	17 425	27	(D)	636	94	51	111
1982	29 285	(D)	(D)	1 397	99	77	(D)
Electricity ----- farms, 1987	38 590	167	48	1 293	308	219	283
1982	42 594	182	62	1 359	347	215	278
\$1,000, 1987	47 789	89	57	2 618	248	203	325
1982	45 697	88	63	2 261	256	296	281
Hired farm labor ----- farms, 1987	18 134	74	22	652	152	102	138
1982	21 564	110	37	768	183	113	109
\$1,000, 1987	242 445	138	263	15 971	825	1 183	1 168
1982	186 312	273	117	10 272	663	1 028	824
Contract labor ----- farms, 1987	4 652	7	4	153	42	35	29
1982	2 510	-	2	87	-	26	38
\$1,000, 1987	27 733	2	3	988	183	137	218
1982	14 445	-	(D)	795	-	159	132
Repair and maintenance ----- farms, 1987	43 440	164	51	1 331	368	228	283
\$1,000, 1987	152 652	265	93	5 548	928	835	1 004
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987	17 732	78	19	605	121	65	101
1982	20 674	75	15	663	181	91	109
\$1,000, 1987	34 043	55	10	1 184	109	166	253
1982	30 403	27	9	1 154	114	143	163
Interest paid ³ ----- farms, 1987	25 197	61	23	777	145	149	169
1982	27 193	72	27	903	188	142	134
\$1,000, 1987	197 966	190	121	7 958	875	909	1 538
1982	273 637	576	111	10 363	916	1 188	1 799
Interest paid on debt: Secured by real estate ----- farms, 1987	19 208	36	17	648	108	118	113
\$1,000, 1987	143 627	120	106	6 089	665	741	1 098
Not secured by real estate ----- farms, 1987	13 182	32	11	395	78	82	107
\$1,000, 1987	54 339	70	14	1 868	210	168	440
Cash rent ----- farms, 1987	15 070	33	16	398	130	78	99
\$1,000, 1987	101 910	69	17	2 677	357	187	848
Property taxes paid ----- farms, 1987	48 191	229	62	1 579	384	246	307
\$1,000, 1987	157 280	273	97	5 098	797	678	1 061
All other farm production expenses ----- farms, 1987	46 587	195	59	1 502	384	232	309
\$1,000, 1987	239 391	356	258	12 561	899	1 232	1 560

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987--	57	908	922	149	1 479	1 035	1 166
\$1,000, 1987--	652	26 967	39 867	3 560	55 532	40 458	40 427
Average per farm -----dollars, 1987--	11 446	29 699	43 240	23 890	37 547	39 089	34 671
Livestock and poultry purchased ----- farms, 1987--	22	261	128	29	278	301	372
1982--	25	380	114	34	273	355	369
\$1,000, 1987--	70	2 163	387	241	1 818	5 300	4 122
1982--	81	1 842	224	202	1 808	6 297	4 154
Feed for livestock and poultry ----- farms, 1987--	41	472	136	52	347	502	604
1982--	52	625	219	64	431	566	637
\$1,000, 1987--	140	4 545	525	149	2 217	4 859	5 383
1982--	140	4 881	525	245	2 984	4 613	5 547
Commercially mixed formula feeds ----- farms, 1987--	20	253	50	14	178	226	322
1982--	26	308	96	22	217	327	295
\$1,000, 1987--	81	2 616	195	58	1 189	1 379	2 868
1982--	63	2 757	210	79	1 867	1 800	3 869
Seeds, bulbs, plants, and trees ----- farms, 1987--	28	587	831	68	905	906	892
1982--	35	724	897	74	1 099	988	994
\$1,000, 1987--	11	1 104	3 249	62	2 869	2 153	1 869
1982--	16	1 254	2 997	64	2 432	2 025	2 490
Commercial fertilizer ¹ ----- farms, 1987--	27	533	860	97	1 175	860	867
1982--	35	673	933	135	1 406	888	928
\$1,000, 1987--	30	2 319	6 628	197	4 016	3 850	3 643
1982--	30	3 177	8 247	250	4 515	5 212	6 004
Agricultural chemicals ¹ ----- farms, 1987--	9	523	822	98	1 222	839	880
1982--	17	609	818	138	1 383	830	859
\$1,000, 1987--	3	999	3 055	610	5 966	1 952	1 900
1982--	6	1 339	2 917	399	5 453	2 246	2 648
Petroleum products ----- farms, 1987--	55	850	896	132	1 421	993	1 136
1982--	74	1 061	1 072	182	1 739	1 157	1 266
\$1,000, 1987--	58	1 511	2 810	236	3 045	2 259	2 371
1982--	70	2 924	4 049	285	4 474	3 600	4 471
Gasoline and gasohol ----- farms, 1987--	46	694	772	113	1 299	821	991
1982--	68	986	962	164	1 686	1 027	1 188
\$1,000, 1987--	36	513	1 034	124	1 477	746	880
1982--	41	1 247	1 715	152	2 335	1 296	1 429
Diesel fuel ----- farms, 1987--	30	521	596	83	803	619	621
1982--	42	551	696	80	784	636	722
\$1,000, 1987--	14	686	1 267	86	1 025	1 025	913
1982--	(D)	1 094	1 734	96	1 356	1 322	1 767
Natural gas ----- farms, 1987--	2	20	60	6	44	33	27
1982--	-	7	34	3	28	37	33
\$1,000, 1987--	(D)	32	174	3	81	29	166
1982--	-	22	141	1	99	69	404
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987--	42	586	692	96	1 095	725	798
1982--	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987--	(D)	281	334	23	462	459	412
1982--	(D)	560	459	35	684	912	871
Electricity ----- farms, 1987--	44	684	660	109	1 211	743	768
1982--	58	788	720	100	1 283	849	924
\$1,000, 1987--	33	678	551	77	1 062	843	837
1982--	26	757	537	59	960	765	1 006
Hired farm labor ----- farms, 1987--	18	270	333	62	713	221	414
1982--	29	370	441	75	902	344	452
\$1,000, 1987--	42	2 030	2 778	632	12 181	3 198	3 565
1982--	75	1 862	2 544	504	12 259	1 945	3 811
Contract labor ----- farms, 1987--	4	21	148	17	319	89	78
1982--	2	17	57	26	225	33	15
\$1,000, 1987--	1	145	971	102	927	524	296
1982--	(D)	(D)	376	172	1 085	55	56
Repair and maintenance ----- farms, 1987--	48	760	820	123	1 380	825	961
\$1,000, 1987--	57	1 939	3 386	263	4 212	2 590	2 693
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987--	13	343	390	42	607	343	433
1982--	13	358	335	53	805	453	519
\$1,000, 1987--	15	429	855	61	1 599	588	548
1982--	7	384	476	65	1 679	630	610
Interest paid ³ ----- farms, 1987--	24	392	445	57	638	600	581
1982--	30	453	601	66	672	589	620
\$1,000, 1987--	37	2 788	3 853	253	3 441	3 812	3 599
1982--	60	3 968	5 561	325	4 700	6 261	5 904
Interest paid on debt: Secured by real estate ----- farms, 1987--	18	334	356	42	473	457	468
\$1,000, 1987--	30	1 987	3 186	175	2 300	2 810	2 665
Not secured by real estate ----- farms, 1987--	8	186	234	30	308	354	305
\$1,000, 1987--	7	801	667	78	1 141	1 003	934
Cash rent ----- farms, 1987--	15	215	392	33	378	312	296
\$1,000, 1987--	11	1 249	4 129	38	2 639	1 822	1 593
Property taxes paid ----- farms, 1987--	54	890	849	143	1 393	944	1 115
\$1,000, 1987--	64	2 093	3 465	273	3 711	3 327	3 480
All other farm production expenses ----- farms, 1987--	50	802	850	134	1 341	936	1 055
\$1,000, 1987--	81	2 976	3 224	365	5 829	3 380	4 527

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987..	839	232	172	338	298	1 333	20
\$1,000, 1987..	49 227	3 184	3 815	5 856	8 561	53 511	(D)
Average per farm ----- dollars, 1987..	58 673	13 724	22 179	17 324	28 727	40 143	(D)
Livestock and poultry purchased ----- farms, 1987..	272	106	42	106	109	383	4
1982..	319	91	77	132	129	418	6
\$1,000, 1987..	3 823	261	172	483	1 004	2 725	(D)
1982..	2 352	346	323	453	1 003	2 713	7
Feed for livestock and poultry ----- farms, 1987..	466	146	96	210	191	493	12
1982..	548	153	137	234	172	726	13
\$1,000, 1987..	11 223	425	757	1 496	1 739	8 035	(D)
1982..	11 943	631	693	1 586	1 250	6 001	9
Commercially mixed formula feeds ----- farms, 1987..	197	67	42	101	110	305	4
1982..	212	69	67	114	109	347	8
\$1,000, 1987..	3 595	248	547	1 054	858	2 909	3
1982..	4 099	346	490	1 017	715	3 021	3
Seeds, bulbs, plants, and trees ----- farms, 1987..	630	112	77	125	144	1 046	8
1982..	803	148	113	190	207	1 182	7
\$1,000, 1987..	1 925	100	88	62	187	2 761	(D)
1982..	1 761	146	71	93	276	2 526	(D)
Commercial fertilizer ¹ ----- farms, 1987..	605	135	97	168	172	1 046	8
1982..	789	153	121	231	178	1 191	11
\$1,000, 1987..	3 402	212	270	149	437	5 067	4
1982..	4 208	418	200	369	728	6 132	5
Agricultural chemicals ¹ ----- farms, 1987..	608	82	75	66	113	1 070	6
1982..	707	98	41	28	141	1 116	5
\$1,000, 1987..	2 267	137	65	123	135	2 788	1
1982..	2 116	165	26	25	192	2 802	1
Petroleum products ----- farms, 1987..	783	220	163	299	280	1 299	18
1982..	1 022	256	197	371	317	1 508	18
\$1,000, 1987..	2 286	213	243	290	407	2 909	(D)
1982..	3 191	418	336	715	666	4 497	6
Gasoline and gasohol ----- farms, 1987..	668	195	116	270	220	1 112	12
1982..	894	215	191	339	308	1 431	16
\$1,000, 1987..	774	98	78	132	162	1 053	4
1982..	1 122	211	137	336	282	1 799	(D)
Diesel fuel ----- farms, 1987..	545	121	109	189	160	844	9
1982..	550	134	88	233	149	896	6
\$1,000, 1987..	989	92	124	127	177	1 371	1
1982..	1 239	148	113	286	263	1 888	1
Natural gas ----- farms, 1987..	51	8	5	-	2	24	-
1982..	8	8	7	8	12	40	-
\$1,000, 1987..	105	1	4	-	(D)	52	-
1982..	52	3	(D)	13	18	84	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	579	150	114	234	183	998	9
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	417	22	36	32	(D)	432	(Z)
1982..	778	57	(D)	80	123	726	(D)
Electricity ----- farms, 1987..	649	165	135	248	248	1 099	11
1982..	778	185	157	304	246	1 153	12
\$1,000, 1987..	907	101	113	164	237	1 378	(D)
1982..	649	139	85	184	248	1 148	(D)
Hired farm labor ----- farms, 1987..	259	69	47	137	102	559	3
1982..	367	90	64	143	93	604	4
\$1,000, 1987..	4 767	216	395	336	424	4 565	(D)
1982..	2 551	249	322	601	564	2 904	2
Contract labor ----- farms, 1987..	84	19	11	4	20	95	-
1982..	22	11	6	13	8	94	1
\$1,000, 1987..	300	54	27	11	36	312	-
1982..	307	9	15	12	11	357	(D)
Repair and maintenance ----- farms, 1987..	733	202	141	285	236	1 133	15
1982..	2 971	219	314	503	765	3 954	6
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987..	381	23	46	103	76	625	3
1982..	495	56	26	83	126	783	1
\$1,000, 1987..	881	42	50	67	24	773	(Z)
1982..	740	76	7	37	85	1 200	(D)
Interest paid ³ ----- farms, 1987..	437	86	82	180	187	704	4
1982..	451	102	51	180	166	790	8
\$1,000, 1987..	4 051	422	429	646	795	5 529	9
1982..	5 895	713	384	824	1 262	6 721	7
Interest paid on debt:							
Secured by real estate ----- farms, 1987..	291	80	59	92	171	546	3
\$1,000, 1987..	2 763	339	364	422	596	4 081	(D)
Not secured by real estate ----- farms, 1987..	253	35	39	118	70	351	3
\$1,000, 1987..	1 289	82	64	223	198	1 448	(D)
Cash rent ----- farms, 1987..	249	53	44	91	58	368	4
\$1,000, 1987..	2 099	49	119	101	216	2 152	5
Property taxes paid ----- farms, 1987..	784	225	170	322	282	1 275	20
\$1,000, 1987..	2 960	447	347	501	694	4 612	(D)
All other farm production expenses ----- farms, 1987..	753	219	143	287	275	1 225	18
\$1,000, 1987..	5 363	288	426	925	1 462	5 950	(D)

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987 ..	271	109	1 220	211	850	412	58
\$1,000, 1987 ..	7 527	3 438	36 121	3 625	28 444	6 385	773
Average per farm ----- dollars, 1987 ..	27 774	31 543	29 607	17 181	33 463	15 497	13 334
Livestock and poultry purchased ----- farms, 1987 ..	94	42	375	69	204	180	19
1982 ..	97	46	278	73	199	157	31
\$1,000, 1987 ..	225	59	2 475	233	4 700	489	16
1982 ..	196	123	1 864	99	4 019	713	95
Feed for livestock and poultry ----- farms, 1987 ..	188	74	570	106	357	250	33
1982 ..	214	84	515	176	301	237	64
\$1,000, 1987 ..	1 724	559	3 787	477	1 993	1 004	222
1982 ..	1 287	545	2 785	445	2 084	963	336
Commercially mixed formula feeds ----- farms, 1987 ..	98	39	256	59	161	130	12
1982 ..	126	57	294	58	126	45	24
\$1,000, 1987 ..	1 029	230	1 318	296	696	410	34
1982 ..	522	290	1 585	241	1 213	430	116
Seeds, bulbs, plants, and trees ----- farms, 1987 ..	144	55	877	146	584	280	22
1982 ..	180	62	1 038	124	687	307	39
\$1,000, 1987 ..	235	116	2 556	101	1 609	267	25
1982 ..	217	131	2 528	111	1 687	315	10
Commercial fertilizer ¹ ----- farms, 1987 ..	188	61	941	145	553	298	19
1982 ..	191	71	1 063	126	752	292	32
\$1,000, 1987 ..	528	280	3 992	278	2 949	601	11
1982 ..	469	309	5 472	254	4 040	853	(D)
Agricultural chemicals ¹ ----- farms, 1987 ..	153	50	887	90	514	193	16
1982 ..	122	50	840	106	661	218	12
\$1,000, 1987 ..	262	143	2 281	84	1 856	246	3
1982 ..	171	152	2 074	90	1 681	224	3
Petroleum products ----- farms, 1987 ..	263	98	1 186	194	756	401	51
1982 ..	315	123	1 372	253	990	433	82
\$1,000, 1987 ..	561	223	2 281	248	1 534	429	40
1982 ..	592	327	3 890	338	2 971	827	64
Gasoline and gasohol ----- farms, 1987 ..	223	82	1 083	160	660	339	43
1982 ..	289	121	1 270	222	905	426	82
\$1,000, 1987 ..	274	72	930	93	507	185	18
1982 ..	291	158	1 589	141	1 143	412	42
Diesel fuel ----- farms, 1987 ..	152	56	658	152	413	206	18
1982 ..	172	61	717	148	556	229	20
\$1,000, 1987 ..	237	113	966	127	715	186	(D)
1982 ..	210	134	1 577	144	1 161	300	(D)
Natural gas ----- farms, 1987 ..	9	6	15	1	34	9	1
1982 ..	6	2	33	7	36	8	-
\$1,000, 1987 ..	4	(D)	78	(D)	75	9	(D)
1982 ..	2	(D)	142	4	102	2	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987 ..	193	71	845	106	580	271	31
1982 ..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987 ..	46	(D)	307	(D)	236	49	7
1982 ..	88	(D)	582	48	566	113	(D)
Electricity ----- farms, 1987 ..	227	89	890	139	596	296	41
1982 ..	261	93	882	188	597	301	70
\$1,000, 1987 ..	247	102	648	111	533	132	16
1982 ..	231	71	654	129	528	156	21
Hired farm labor ----- farms, 1987 ..	112	61	362	49	225	114	14
1982 ..	133	64	425	82	330	129	23
\$1,000, 1987 ..	627	542	2 527	314	2 160	286	110
1982 ..	442	420	1 708	224	1 989	398	77
Contract labor ----- farms, 1987 ..	22	11	68	8	51	33	6
1982 ..	2	6	39	2	27	3	2
\$1,000, 1987 ..	72	29	92	(D)	112	36	(D)
1982 ..	(D)	15	49	(D)	112	12	(D)
Repair and maintenance ----- farms, 1987 ..	251	88	1 036	176	735	349	43
\$1,000, 1987 ..	760	406	3 236	406	1 922	525	46
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987 ..	69	24	451	55	200	150	11
1982 ..	58	27	562	58	248	153	23
\$1,000, 1987 ..	112	22	537	(D)	352	102	(D)
1982 ..	71	34	527	94	205	152	5
Interest paid ³ ----- farms, 1987 ..	105	54	541	110	346	134	20
1982 ..	100	63	653	74	410	133	27
\$1,000, 1987 ..	503	164	3 405	354	2 273	624	57
1982 ..	630	259	5 582	355	4 395	1 005	82
Interest paid on debt:							
Secured by real estate ----- farms, 1987 ..	54	32	435	73	256	98	19
\$1,000, 1987 ..	288	120	2 604	245	1 480	507	46
Not secured by real estate ----- farms, 1987 ..	65	25	286	65	163	59	9
\$1,000, 1987 ..	216	44	801	109	794	116	11
Cash rent ----- farms, 1987 ..	80	30	281	44	276	97	5
\$1,000, 1987 ..	103	38	1 521	95	1 475	181	(D)
Property taxes paid ----- farms, 1987 ..	259	105	1 150	207	778	411	57
\$1,000, 1987 ..	506	284	3 629	411	2 478	845	70
All other farm production expenses ----- farms, 1987 ..	237	96	1 096	186	789	387	45
\$1,000, 1987 ..	1 063	472	3 154	475	2 498	617	116

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987..	446	1 011	1 142	146	1 390	960	1 089	216
\$1,000, 1987..	12 872	55 421	49 112	1 809	129 370	44 186	61 561	6 238
Average per farm ----- dollars, 1987..	28 861	54 818	43 006	12 391	93 072	46 007	56 530	28 881
Livestock and poultry purchased ----- farms, 1987..	86	198	437	49	507	274	365	95
1982..	104	280	406	78	468	349	439	74
\$1,000, 1987..	655	6 070	6 999	62	27 475	2 940	3 963	(D)
1982..	998	5 084	5 609	161	20 637	2 133	3 407	995
Feed for livestock and poultry ----- farms, 1987..	152	320	558	82	643	474	602	139
1982..	149	401	701	113	799	567	862	123
\$1,000, 1987..	488	4 750	6 461	331	18 504	5 364	12 585	987
1982..	523	4 322	6 681	495	18 999	3 953	7 659	664
Commercially mixed formula feeds ----- farms, 1987..	67	200	257	40	348	228	270	57
1982..	80	274	356	68	557	320	389	27
\$1,000, 1987..	214	2 413	3 011	211	10 281	2 042	8 984	244
1982..	201	2 709	2 926	244	14 074	1 969	5 318	203
Seeds, bulbs, plants, and trees ----- farms, 1987..	180	882	921	84	1 213	722	798	130
1982..	245	1 006	1 106	92	1 413	791	914	156
\$1,000, 1987..	284	3 414	2 169	63	6 027	1 991	2 545	133
1982..	492	3 312	2 375	77	5 416	2 207	2 282	259
Commercial fertilizer ¹ ----- farms, 1987..	271	890	857	93	1 243	721	841	119
1982..	362	1 028	1 023	123	1 458	758	902	184
\$1,000, 1987..	856	7 541	4 893	118	14 206	4 238	5 106	310
1982..	948	7 826	6 087	148	16 646	5 479	5 943	681
Agricultural chemicals ¹ ----- farms, 1987..	307	893	830	55	1 224	720	737	99
1982..	317	897	979	57	1 257	729	870	125
\$1,000, 1987..	1 508	3 164	2 541	36	5 320	2 087	2 643	85
1982..	1 166	3 434	2 479	28	5 252	2 469	2 287	187
Petroleum products ----- farms, 1987..	422	889	1 098	134	1 359	698	1 029	209
1982..	455	1 208	1 334	195	1 655	1 105	1 173	244
\$1,000, 1987..	764	3 305	2 399	147	5 890	2 485	2 642	279
1982..	988	5 259	4 014	215	8 584	3 584	4 042	593
Gasoline and gasohol ----- farms, 1987..	353	843	874	122	1 226	776	859	177
1982..	431	1 125	1 177	190	1 592	1 013	1 074	226
\$1,000, 1987..	367	1 118	788	69	2 229	940	931	121
1982..	524	1 911	1 372	109	3 705	1 185	1 423	258
Diesel fuel ----- farms, 1987..	238	733	639	62	1 018	571	662	121
1982..	231	825	829	90	1 242	545	803	130
\$1,000, 1987..	262	1 680	1 128	45	2 706	1 051	1 273	113
1982..	304	2 473	1 785	70	3 650	1 439	1 812	211
Natural gas ----- farms, 1987..	18	40	12	8	58	28	22	3
1982..	4	43	26	6	24	17	54	11
\$1,000, 1987..	29	73	11	12	139	147	35	8
1982..	20	130	16	(D)	52	161	45	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	305	797	758	100	1 221	659	779	135
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	107	433	472	20	816	346	403	38
1982..	141	745	840	(D)	1 178	799	763	(D)
Electricity ----- farms, 1987..	322	723	880	91	1 116	730	848	166
1982..	325	980	984	163	1 324	789	889	136
\$1,000, 1987..	271	870	960	49	2 018	1 101	1 485	140
1982..	237	976	905	100	2 125	963	1 215	108
Hired farm labor ----- farms, 1987..	199	393	367	47	593	342	406	49
1982..	204	391	461	75	679	371	470	84
\$1,000, 1987..	2 249	4 109	3 132	180	7 253	4 422	6 217	290
1982..	1 607	2 225	2 119	142	5 402	3 254	3 905	618
Contract labor ----- farms, 1987..	111	59	70	9	136	107	36	22
1982..	22	27	42	5	56	62	29	-
\$1,000, 1987..	533	435	159	7	591	354	246	8
1982..	162	314	127	3	354	193	210	-
Repair and maintenance ----- farms, 1987..	371	907	979	125	1 253	812	947	158
\$1,000, 1987..	966	3 783	3 331	182	6 716	3 042	4 330	363
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987..	137	420	445	42	596	400	361	35
1982..	138	409	591	38	674	453	450	41
\$1,000, 1987..	173	773	920	33	1 570	549	741	(D)
1982..	202	690	1 117	12	1 403	584	614	37
Interest paid ³ ----- farms, 1987..	245	634	630	47	873	531	592	59
1982..	190	715	692	51	937	565	588	106
\$1,000, 1987..	1 251	6 327	4 766	132	12 104	4 486	5 377	562
1982..	2 024	9 102	5 822	281	15 807	7 340	5 986	983
Interest paid on debt: Secured by real estate ----- farms, 1987..	170	520	523	41	621	387	479	45
\$1,000, 1987..	1 042	4 467	3 356	103	8 166	3 388	4 074	311
Not secured by real estate ----- farms, 1987..	108	331	308	25	443	304	336	34
\$1,000, 1987..	208	1 860	1 410	28	3 938	1 098	1 303	251
Cash rent ----- farms, 1987..	77	350	317	32	613	268	282	50
\$1,000, 1987..	410	2 452	3 311	26	6 353	2 207	1 986	96
Property taxes paid ----- farms, 1987..	410	929	1 106	142	1 231	922	1 033	216
\$1,000, 1987..	1 185	3 884	3 007	170	6 592	4 452	3 325	448
All other farm production expenses ----- farms, 1987..	410	917	1 068	123	1 341	902	1 021	184
\$1,000, 1987..	1 278	4 546	4 064	273	8 751	4 450	8 368	482

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987..	95	912	1 103	842	89	1 369	2	111
\$1,000, 1987..	1 708	34 486	43 946	50 477	2 104	66 289	(D)	1 365
Average per farm ----- dollars, 1987..	17 975	37 813	39 842	59 949	23 639	48 421	(D)	12 294
Livestock and poultry purchased ----- farms, 1987..	25	321	389	207	26	385	-	45
1982..	32	254	381	295	31	450	-	50
\$1,000, 1987..	55	3 335	6 057	3 781	55	3 129	-	109
1982..	67	4 116	4 982	3 681	39	3 237	-	41
Feed for livestock and poultry ----- farms, 1987..	59	459	568	384	45	674	1	76
1982..	65	515	611	450	54	685	4	69
\$1,000, 1987..	210	5 899	6 749	7 993	215	5 131	(D)	229
1982..	161	4 074	3 715	5 037	246	5 927	3	240
Commercially mixed formula feeds ----- farms, 1987..	26	256	274	174	23	316	-	29
1982..	20	224	324	251	27	429	3	23
\$1,000, 1987..	115	3 419	2 269	5 601	92	2 553	-	44
1982..	77	2 207	2 157	3 440	105	3 626	1	112
Seeds, bulbs, plants, and trees ----- farms, 1987..	39	623	718	512	57	836	1	61
1982..	52	809	955	615	64	1 004	1	59
\$1,000, 1987..	59	1 486	1 390	2 270	165	3 460	(D)	25
1982..	100	1 624	1 949	1 972	117	3 444	(D)	38
Commercial fertilizer ¹ ----- farms, 1987..	49	655	710	523	70	969	-	58
1982..	48	792	925	609	61	1 097	1	58
\$1,000, 1987..	136	3 538	2 906	2 808	245	3 911	-	54
1982..	146	3 987	5 252	4 111	285	4 501	(D)	79
Agricultural chemicals ¹ ----- farms, 1987..	23	607	688	539	48	927	1	41
1982..	25	700	762	575	43	972	-	39
\$1,000, 1987..	57	1 389	1 588	1 997	158	4 787	(D)	19
1982..	79	1 850	2 159	1 658	82	3 856	-	26
Petroleum products ----- farms, 1987..	88	876	1 005	760	85	1 306	1	108
1982..	98	1 011	1 242	961	91	1 511	3	118
\$1,000, 1987..	112	2 027	1 916	3 032	162	3 949	(D)	91
1982..	207	2 936	3 418	3 814	247	5 159	(Z)	124
Gasoline and gasohol ----- farms, 1987..	80	750	834	634	63	1 065	1	102
1982..	95	878	1 159	841	77	1 449	3	116
\$1,000, 1987..	65	778	688	764	48	1 150	(D)	47
1982..	124	1 102	1 334	1 048	78	1 940	(D)	71
Diesel fuel ----- farms, 1987..	41	559	549	396	49	802	-	56
1982..	38	609	671	463	51	791	-	37
\$1,000, 1987..	35	942	795	777	94	1 456	-	33
1982..	62	1 304	1 442	1 082	125	1 608	-	36
Natural gas ----- farms, 1987..	1	56	44	55	1	68	-	3
1982..	2	36	22	97	1	82	-	-
\$1,000, 1987..	(D)	51	135	1 184	(D)	925	-	1
1982..	(D)	56	137	939	(D)	1 034	-	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	59	595	671	501	56	862	-	69
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	(D)	256	297	306	(D)	418	-	11
1982..	(D)	475	504	745	(D)	577	(D)	17
Electricity ----- farms, 1987..	68	640	769	537	62	1 030	1	85
1982..	76	720	849	706	60	1 100	1	100
\$1,000, 1987..	36	808	951	1 285	69	1 580	(D)	45
1982..	67	773	838	850	79	1 578	(D)	55
Hired farm labor ----- farms, 1987..	27	358	275	350	29	612	-	37
1982..	39	329	338	401	20	721	-	45
\$1,000, 1987..	239	2 278	3 787	8 224	192	13 477	-	55
1982..	278	1 884	2 777	4 626	229	10 072	-	54
Contract labor ----- farms, 1987..	3	29	94	73	8	123	-	9
1982..	2	21	17	66	3	99	-	2
\$1,000, 1987..	(D)	165	289	489	5	968	-	1
1982..	(D)	15	48	315	(D)	1 499	-	(D)
Repair and maintenance ----- farms, 1987..	81	758	880	670	78	1 149	-	86
\$1,000, 1987..	132	2 538	2 863	2 859	204	4 709	-	110
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987..	15	298	351	331	23	435	-	20
1982..	13	382	449	275	23	540	-	35
\$1,000, 1987..	(D)	541	521	1 073	24	781	-	4
1982..	5	338	523	497	16	864	-	5
Interest paid ³ ----- farms, 1987..	42	505	526	381	50	648	-	48
1982..	41	521	555	503	33	640	-	39
\$1,000, 1987..	137	3 424	4 117	3 619	166	4 906	-	128
1982..	140	4 050	6 140	4 828	183	6 931	-	132
Interest paid on debt: Secured by real estate ----- farms, 1987..	28	357	403	293	38	490	-	36
\$1,000, 1987..	81	2 520	3 182	2 837	111	3 505	-	90
Not secured by real estate ----- farms, 1987..	22	293	244	194	24	325	-	26
\$1,000, 1987..	56	904	936	781	55	1 401	-	38
Cash rent ----- farms, 1987..	35	256	286	223	20	381	1	18
\$1,000, 1987..	30	1 189	1 595	1 823	45	2 090	(D)	31
Property taxes paid ----- farms, 1987..	92	862	1 051	770	88	1 271	1	108
\$1,000, 1987..	198	2 578	3 654	2 916	184	4 498	(D)	198
All other farm production expenses ----- farms, 1987..	85	633	980	716	84	1 284	1	95
\$1,000, 1987..	296	3 290	5 563	6 329	214	8 932	(D)	266

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987..	1 230	395	1 387	788	34	80	667	280
\$1,000, 1987..	50 094	15 202	71 542	26 027	811	2 064	23 629	7 178
Average per farm ----- dollars, 1987..	40 727	38 487	51 580	33 029	23 864	25 800	35 425	25 636
Livestock and poultry purchased ----- farms, 1987..	429	46	424	179	13	33	130	69
1982..	502	99	456	321	9	35	159	81
\$1,000, 1987..	4 199	904	7 564	2 113	186	127	516	125
1982..	4 407	1 074	5 936	3 256	176	85	1 726	293
Feed for livestock and poultry ----- farms, 1987..	707	76	547	363	22	47	194	106
1982..	721	144	685	499	19	69	259	114
\$1,000, 1987..	4 114	238	5 432	2 352	80	552	788	129
1982..	3 864	822	6 138	4 189	46	599	1 297	173
Commercially mixed formula feeds ----- farms, 1987..	381	41	273	143	8	26	103	36
1982..	386	76	304	302	8	43	123	44
\$1,000, 1987..	1 913	140	2 776	1 361	14	312	334	43
1982..	2 057	470	3 075	2 487	26	291	929	78
Seeds, bulbs, plants, and trees ----- farms, 1987..	741	195	1 190	419	16	36	501	152
1982..	957	185	1 314	564	18	51	555	153
\$1,000, 1987..	2 701	332	4 042	1 234	35	23	1 725	213
1982..	1 990	264	4 837	933	34	37	2 007	304
Commercial fertilizer ¹ ----- farms, 1987..	795	316	1 110	426	18	46	524	201
1982..	865	322	1 304	546	16	55	625	185
\$1,000, 1987..	4 303	1 043	8 308	2 258	35	80	1 721	452
1982..	5 045	1 103	11 852	2 636	34	98	2 093	564
Agricultural chemicals ¹ ----- farms, 1987..	648	355	1 130	449	14	27	509	165
1982..	801	336	1 199	432	11	21	599	185
\$1,000, 1987..	2 573	2 388	4 814	1 071	20	(D)	1 343	753
1982..	2 052	1 671	5 159	863	9	13	1 206	1 001
Petroleum products ----- farms, 1987..	1 148	354	1 351	708	32	78	647	254
1982..	1 361	429	1 618	884	30	96	819	304
\$1,000, 1987..	2 821	868	3 659	1 553	80	118	2 300	388
1982..	3 837	1 292	5 955	2 251	62	180	2 922	603
Gasoline and gasohol ----- farms, 1987..	944	276	1 139	608	29	63	570	200
1982..	1 276	404	1 478	800	28	79	731	294
\$1,000, 1987..	959	403	1 124	454	39	51	541	204
1982..	1 428	697	2 140	904	30	88	889	327
Diesel fuel ----- farms, 1987..	618	270	951	380	18	54	384	161
1982..	645	275	1 037	412	21	68	437	122
\$1,000, 1987..	1 186	302	1 945	645	36	55	600	148
1982..	1 504	474	2 659	898	27	72	738	177
Natural gas ----- farms, 1987..	26	17	52	26	1	-	65	-
1982..	68	5	47	3	2	2	64	-
\$1,000, 1987..	271	84	70	105	(D)	-	595	-
1982..	342	4	105	30	(D)	(D)	924	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	761	305	1 059	442	22	65	451	189
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	405	80	519	349	(D)	13	565	37
1982..	563	117	1 050	420	(D)	(D)	370	100
Electricity ----- farms, 1987..	926	328	972	555	29	64	497	191
1982..	943	360	1 220	611	20	78	555	239
\$1,000, 1987..	1 428	266	1 077	752	23	72	612	197
1982..	1 098	354	1 163	665	23	66	568	230
Hired farm labor ----- farms, 1987..	386	234	387	275	15	37	184	124
1982..	417	214	538	278	9	31	317	138
\$1,000, 1987..	5 858	2 566	4 199	2 883	40	207	4 086	1 566
1982..	5 060	2 849	3 831	2 825	15	158	3 703	1 575
Contract labor ----- farms, 1987..	73	96	95	85	7	2	61	50
1982..	58	58	40	18	1	2	32	36
\$1,000, 1987..	314	646	684	117	(D)	(D)	360	932
1982..	163	186	359	141	(D)	(D)	104	289
Repair and maintenance ----- farms, 1987..	981	342	1 185	656	29	58	600	221
\$1,000, 1987..	3 726	1 236	4 931	2 228	52	159	1 884	442
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987..	339	151	504	195	10	20	158	94
1982..	514	145	550	237	10	25	219	114
\$1,000, 1987..	824	309	1 482	301	(D)	30	197	73
1982..	535	536	1 271	419	3	30	322	188
Interest paid ³ ----- farms, 1987..	508	246	820	338	20	38	235	102
1982..	581	227	880	375	18	43	291	95
\$1,000, 1987..	4 428	1 604	7 016	2 480	82	190	1 262	538
1982..	5 373	1 984	11 775	3 500	130	280	1 904	690
Interest paid on debt: ----- farms, 1987..	395	194	614	251	17	26	175	86
Secured by real estate ----- farms, 1987..	2 987	1 244	5 102	1 559	40	126	974	457
Not secured by real estate ----- farms, 1987..	253	95	436	180	8	26	111	33
\$1,000, 1987..	1 441	360	1 914	921	41	65	289	82
Cash rent ----- farms, 1987..	322	62	595	188	14	29	267	43
\$1,000, 1987..	2 456	265	7 177	1 447	11	27	972	157
Property taxes paid ----- farms, 1987..	1 177	384	1 226	736	34	75	584	273
\$1,000, 1987..	3 902	1 030	5 448	2 262	51	114	2 217	484
All other farm production expenses ----- farms, 1987..	1 125	350	1 265	708	31	71	615	228
\$1,000, 1987..	6 469	1 508	5 709	2 976	76	352	3 846	729

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987--	101	426	639	374	459	305	1 258	979
\$1,000, 1987--	1 385	13 031	14 687	13 101	13 189	16 980	54 940	42 916
Average per farm ----- dollars, 1987--	13 715	30 590	22 984	35 030	28 735	55 671	43 673	43 836
Livestock and poultry purchased ----- farms, 1987--	31	100	222	101	142	111	269	242
1982--	38	141	216	143	184	145	338	382
\$1,000, 1987--	50	854	888	859	2 063	1 290	5 010	1 585
1982--	25	1 295	2 810	593	3 164	1 375	3 805	1 035
Feed for livestock and poultry ----- farms, 1987--	65	169	382	250	199	185	318	402
1982--	71	219	392	355	264	250	436	546
\$1,000, 1987--	188	1 286	2 277	2 932	4 138	4 138	2 506	3 105
1982--	172	1 357	2 552	3 529	1 622	4 141	3 446	3 021
Commercially mixed formula feeds ----- farms, 1987--	24	116	219	148	115	132	125	246
1982--	34	102	189	252	142	200	226	272
\$1,000, 1987--	81	643	1 116	1 888	209	2 267	779	1 565
1982--	128	640	1 101	2 268	333	2 403	1 674	1 389
Seeds, bulbs, plants, and trees ----- farms, 1987--	30	286	414	230	349	210	975	779
1982--	32	294	469	272	363	264	1 225	803
\$1,000, 1987--	31	535	577	376	809	426	3 475	3 646
1982--	45	521	782	430	859	457	4 031	3 586
Commercial fertilizer ¹ ----- farms, 1987--	29	322	397	276	319	222	1 002	778
1982--	49	311	425	325	376	259	1 128	869
\$1,000, 1987--	84	1 014	1 030	924	1 708	1 052	5 711	4 453
1982--	87	1 197	1 369	1 098	2 189	1 357	7 315	5 521
Agricultural chemicals ¹ ----- farms, 1987--	28	298	389	193	314	207	1 048	773
1982--	27	300	289	226	303	225	996	709
\$1,000, 1987--	52	1 233	499	227	715	332	3 962	3 012
1982--	35	944	614	249	976	300	3 521	2 895
Petroleum products ----- farms, 1987--	90	394	619	343	408	263	1 215	957
1982--	125	492	676	458	502	322	1 452	1 124
\$1,000, 1987--	135	700	868	678	791	760	3 266	2 450
1982--	181	1 097	1 508	1 184	1 347	1 089	5 089	3 946
Gasoline and gasohol ----- farms, 1987--	81	327	518	282	359	206	1 050	824
1982--	119	421	641	437	442	295	1 323	1 054
\$1,000, 1987--	83	274	382	250	352	277	1 043	816
1982--	85	481	637	490	608	459	1 781	1 603
Diesel fuel ----- farms, 1987--	43	241	352	277	234	173	692	523
1982--	55	257	359	270	297	179	827	543
\$1,000, 1987--	38	311	336	345	325	390	1 447	1 244
1982--	56	435	648	531	545	494	2 071	1 738
Natural gas ----- farms, 1987--	-	7	20	10	9	16	72	31
1982--	-	-	3	18	5	5	45	20
\$1,000, 1987--	-	9	31	6	7	17	336	60
1982--	-	-	4	12	8	7	458	59
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987--	62	294	434	289	235	181	901	645
1982--	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987--	15	106	118	77	107	76	440	329
1982--	40	180	219	150	185	129	779	546
Electricity ----- farms, 1987--	66	311	485	316	300	262	885	674
1982--	70	366	506	393	356	300	919	843
\$1,000, 1987--	57	273	432	463	191	581	778	1 130
1982--	51	462	548	397	222	601	706	1 258
Hired farm labor ----- farms, 1987--	22	153	195	189	139	143	291	356
1982--	33	216	209	174	188	161	392	385
\$1,000, 1987--	120	1 671	1 011	1 128	662	1 528	6 411	5 036
1982--	126	1 546	1 096	1 209	516	1 263	4 119	3 492
Contract labor ----- farms, 1987--	-	61	26	30	38	29	62	57
1982--	-	24	21	2	20	15	49	37
\$1,000, 1987--	-	324	87	50	76	249	484	191
1982--	-	216	48	(D)	22	36	204	575
Repair and maintenance ----- farms, 1987--	69	340	544	324	362	244	1 118	843
\$1,000, 1987--	153	883	1 418	1 084	934	1 154	3 867	3 471
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987--	18	125	206	144	144	100	426	324
1982--	10	172	213	170	183	144	513	468
\$1,000, 1987--	8	170	159	160	228	219	783	1 096
1982--	28	228	256	90	284	213	667	963
Interest paid ³ ----- farms, 1987--	47	199	349	152	244	178	603	553
1982--	29	219	265	226	283	203	719	510
\$1,000, 1987--	111	1 135	1 779	1 242	1 448	1 454	4 685	4 542
1982--	122	1 967	2 212	2 276	2 838	2 918	6 652	6 551
Interest paid on debt: Secured by real estate ----- farms, 1987--	27	152	291	104	163	129	397	419
\$1,000, 1987--	85	798	1 343	895	1 098	871	3 082	3 156
Not secured by real estate ----- farms, 1987--	27	107	140	77	120	112	397	261
\$1,000, 1987--	26	337	436	346	350	584	1 603	1 385
Cash rent ----- farms, 1987--	15	128	124	120	115	112	482	319
\$1,000, 1987--	9	408	501	229	521	441	5 307	1 826
Property taxes paid ----- farms, 1987--	92	415	621	325	424	294	1 164	939
\$1,000, 1987--	175	1 034	1 388	829	1 241	991	3 813	2 826
All other farm production expenses ----- farms, 1987--	82	392	596	347	415	290	1 132	876
\$1,000, 1987--	213	1 511	1 771	2 119	930	2 362	4 883	4 547

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987..	107	460	687	596	686	288	117	503
..... \$1,000, 1987..	2 304	22 745	26 581	22 022	30 795	10 841	1 464	12 635
Average per farm ----- dollars, 1987..	21 537	49 445	38 692	36 949	44 891	37 642	12 513	25 119
Livestock and poultry purchased ----- farms, 1987..	47	158	195	170	158	122	44	186
..... 1982..	48	152	302	272	189	128	39	229
..... \$1,000, 1987..	179	1 838	1 400	351	1 542	890	99	449
..... 1982..	148	977	1 649	726	1 323	468	63	619
Feed for livestock and poultry ----- farms, 1987..	66	227	367	288	264	173	74	346
..... 1982..	58	238	437	391	257	205	109	379
..... \$1,000, 1987..	282	1 721	3 612	572	2 351	2 132	294	2 710
..... 1982..	344	1 734	4 574	1 065	2 038	1 002	219	2 985
Commercially mixed formula feeds ----- farms, 1987..	30	95	242	126	110	113	31	207
..... 1982..	30	132	254	127	111	111	39	249
..... \$1,000, 1987..	156	746	1 829	193	1 435	841	176	1 078
..... 1982..	199	759	3 696	599	1 072	413	145	1 489
Seeds, bulbs, plants, and trees ----- farms, 1987..	58	336	475	224	481	160	37	219
..... 1982..	56	314	566	238	528	199	54	337
..... \$1,000, 1987..	68	1 020	1 212	3 939	1 055	353	11	359
..... 1982..	64	748	1 070	911	1 797	272	17	338
Commercial fertilizer ¹ ----- farms, 1987..	71	346	457	241	563	182	57	250
..... 1982..	56	354	499	223	543	172	61	299
..... \$1,000, 1987..	181	1 287	1 794	886	2 225	655	51	752
..... 1982..	181	1 571	1 997	674	1 824	641	34	711
Agricultural chemicals ¹ ----- farms, 1987..	52	336	434	259	534	129	36	167
..... 1982..	44	279	434	223	564	111	17	208
..... \$1,000, 1987..	43	1 570	1 647	459	3 271	203	32	242
..... 1982..	47	1 140	1 716	449	2 706	202	210	213
Petroleum products ----- farms, 1987..	105	446	640	546	662	274	111	439
..... 1982..	106	473	784	662	735	308	145	549
..... \$1,000, 1987..	150	1 325	1 442	1 501	1 440	609	112	749
..... 1982..	252	1 411	1 894	1 427	1 766	720	165	945
Gasoline and gasohol ----- farms, 1987..	88	397	554	443	606	236	102	359
..... 1982..	95	428	741	644	648	267	145	506
..... \$1,000, 1987..	58	489	565	491	635	244	69	283
..... 1982..	100	504	872	469	891	291	91	421
Diesel fuel ----- farms, 1987..	70	277	395	273	399	152	46	232
..... 1982..	71	259	355	239	483	176	53	248
..... \$1,000, 1987..	72	457	597	469	605	270	26	365
..... 1982..	122	520	702	406	612	338	48	371
Natural gas ----- farms, 1987..	5	21	18	45	10	8	2	6
..... 1982..	4	16	10	23	9	2	2	5
..... \$1,000, 1987..	2	197	26	306	16	15	(D)	4
..... 1982..	(D)	201	49	322	5	(D)	(D)	5
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	83	282	458	314	500	189	87	315
..... 1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... \$1,000, 1987..	19	181	254	235	184	81	(D)	97
..... 1982..	(D)	185	271	230	259	(D)	(D)	149
Electricity ----- farms, 1987..	96	353	519	447	516	227	96	406
..... 1982..	80	377	552	470	521	241	113	424
..... \$1,000, 1987..	66	598	801	540	511	359	71	395
..... 1982..	93	544	800	359	636	301	56	458
Hired farm labor ----- farms, 1987..	37	179	235	230	385	93	48	181
..... 1982..	38	193	292	276	367	73	49	207
..... \$1,000, 1987..	170	3 612	2 913	3 017	6 477	804	112	960
..... 1982..	163	3 130	2 963	2 752	4 077	444	68	1 147
Contract labor ----- farms, 1987..	3	54	65	110	124	14	6	27
..... 1982..	-	34	42	58	76	3	4	12
..... \$1,000, 1987..	(D)	1 017	356	268	903	25	6	145
..... 1982..	-	276	358	353	558	2	1	21
Repair and maintenance ----- farms, 1987..	91	378	526	499	608	250	93	399
..... \$1,000, 1987..	248	1 675	2 149	1 490	2 073	1 053	138	1 036
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987..	31	124	311	135	278	96	24	115
..... 1982..	34	137	234	110	285	51	18	180
..... \$1,000, 1987..	(D)	260	257	187	502	179	12	174
..... 1982..	23	275	383	92	483	65	11	156
Interest paid ³ ----- farms, 1987..	45	234	331	268	354	111	42	198
..... 1982..	41	188	353	206	370	68	59	240
..... \$1,000, 1987..	291	1 850	2 847	1 176	2 985	1 010	102	1 374
..... 1982..	415	1 784	2 978	977	2 847	1 082	157	1 387
Interest paid on debt: Secured by real estate ----- farms, 1987..	31	189	284	172	268	101	37	129
..... \$1,000, 1987..	249	1 146	2 042	841	2 236	777	77	1 030
Not secured by real estate ----- farms, 1987..	19	125	160	151	170	48	19	129
..... \$1,000, 1987..	41	705	805	335	749	233	25	344
Cash rent ----- farms, 1987..	18	93	246	92	160	118	29	123
..... \$1,000, 1987..	25	828	804	879	494	345	39	308
Property taxes paid ----- farms, 1987..	107	457	672	581	662	287	117	482
..... \$1,000, 1987..	198	1 691	2 153	1 776	1 847	681	176	1 161
All other farm production expenses ----- farms, 1987..	99	438	615	526	660	237	104	460
..... \$1,000, 1987..	390	2 450	3 195	4 982	3 120	1 543	207	1 818

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987 ..	84	133	1 472	293	31	1 424	1 092	880
\$1,000, 1987 ..	2 022	2 508	152 637	9 452	202	54 886	30 664	42 065
Average per farm ----- dollars, 1987 ..	24 076	18 855	103 694	32 259	6 529	38 543	28 081	47 801
Livestock and poultry purchased ----- farms, 1987 ..	39	54	578	96	6	290	281	353
1982 ..	42	47	628	103	16	347	324	420
\$1,000, 1987 ..	192	441	16 188	688	3	2 413	4 565	2 232
1982 ..	155	378	11 349	347	8	2 255	1 727	3 006
Feed for livestock and poultry ----- farms, 1987 ..	64	62	792	150	19	387	502	479
1982 ..	66	73	909	175	23	466	568	559
\$1,000, 1987 ..	499	235	38 876	604	23	2 272	2 473	5 308
1982 ..	329	374	28 696	1 018	32	2 236	2 874	4 878
Commercially mixed formula feeds ----- farms, 1987 ..	41	19	422	62	7	197	235	226
1982 ..	37	40	534	78	8	248	253	244
\$1,000, 1987 ..	327	67	31 510	448	4	1 137	1 381	2 403
1982 ..	155	165	23 130	458	7	1 074	1 692	2 689
Seeds, bulbs, plants, and trees ----- farms, 1987 ..	49	75	926	193	7	1 205	742	718
1982 ..	50	90	1 126	201	7	1 436	889	843
\$1,000, 1987 ..	32	75	6 791	631	4	3 692	2 013	2 362
1982 ..	40	88	4 981	375	5	3 324	1 479	1 995
Commercial fertilizer ¹ ----- farms, 1987 ..	52	94	1 048	231	12	1 192	788	703
1982 ..	54	98	1 259	232	16	1 461	927	781
\$1,000, 1987 ..	113	151	4 408	1 000	6	8 195	2 670	4 518
1982 ..	125	175	4 971	948	19	9 861	3 667	6 200
Agricultural chemicals ¹ ----- farms, 1987 ..	43	61	1 031	188	6	1 219	705	665
1982 ..	36	62	1 101	143	6	1 376	732	772
\$1,000, 1987 ..	32	53	4 261	642	4	4 267	1 417	2 756
1982 ..	24	38	3 295	422	10	4 608	1 772	2 467
Petroleum products ----- farms, 1987 ..	76	126	1 372	287	29	1 367	1 055	818
1982 ..	86	142	1 561	335	37	1 702	1 297	1 024
\$1,000, 1987 ..	110	174	4 929	671	(D)	3 553	2 176	2 431
1982 ..	140	271	5 950	898	31	5 571	3 000	3 799
Gasoline and gasohol ----- farms, 1987 ..	67	101	1 158	243	29	1 219	927	730
1982 ..	80	128	1 486	314	35	1 621	1 178	916
\$1,000, 1987 ..	51	68	1 306	223	(D)	1 466	757	782
1982 ..	65	128	2 401	340	21	2 520	1 127	1 281
Diesel fuel ----- farms, 1987 ..	53	79	877	188	12	879	653	498
1982 ..	53	86	753	203	15	1 039	825	577
\$1,000, 1987 ..	46	81	1 416	360	(D)	1 558	1 022	1 142
1982 ..	60	102	1 628	443	7	2 330	1 293	1 592
Natural gas ----- farms, 1987 ..	1	4	112	7	1	61	43	67
1982 ..	1	2	115	21	2	60	26	33
\$1,000, 1987 ..	(D)	1	1 420	9	(D)	154	51	102
1982 ..	(D)	(D)	885	9	(D)	124	76	30
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987 ..	61	104	959	227	15	1 081	756	594
1982 ..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987 ..	(D)	23	787	78	2	375	346	404
1982 ..	(D)	(D)	1 037	107	(D)	597	504	896
Electricity ----- farms, 1987 ..	63	102	1 269	247	22	1 014	831	709
1982 ..	52	98	1 270	297	24	1 179	856	717
\$1,000, 1987 ..	62	56	2 654	217	7	794	721	1 009
1982 ..	40	74	2 118	237	8	840	737	838
Hired farm labor ----- farms, 1987 ..	36	28	643	100	5	437	245	320
1982 ..	32	61	738	139	14	638	310	316
\$1,000, 1987 ..	178	193	24 745	1 039	(D)	2 828	2 419	3 071
1982 ..	169	152	17 031	825	18	3 160	2 411	2 423
Contract labor ----- farms, 1987 ..	3	6	221	21	2	101	27	70
1982 ..	1	4	88	-	-	38	42	24
\$1,000, 1987 ..	(D)	7	5 589	(D)	(D)	473	(D)	209
1982 ..	(D)	11	481	-	-	131	72	466
Repair and maintenance ----- farms, 1987 ..	62	105	1 284	280	26	1 211	929	736
\$1,000, 1987 ..	149	251	5 904	896	36	4 256	2 432	2 958
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987 ..	33	16	539	74	4	411	375	361
1982 ..	20	28	733	88	4	505	342	446
\$1,000, 1987 ..	34	20	2 126	(D)	(D)	809	(D)	798
1982 ..	5	11	1 265	64	1	668	481	809
Interest paid ³ ----- farms, 1987 ..	55	46	772	144	8	727	430	488
1982 ..	46	42	799	86	14	707	507	521
\$1,000, 1987 ..	200	218	8 709	854	23	5 886	2 108	5 200
1982 ..	289	369	9 617	1 028	18	7 212	3 501	7 048
Interest paid on debt: Secured by real estate ----- farms, 1987 ..	41	37	649	56	5	566	257	404
\$1,000, 1987 ..	144	116	6 948	564	(D)	4 283	1 570	3 924
Not secured by real estate ----- farms, 1987 ..	33	25	349	67	4	362	280	279
\$1,000, 1987 ..	57	102	1 761	289	(D)	1 602	539	1 276
Cash rent ----- farms, 1987 ..	21	26	371	102	4	456	393	259
\$1,000, 1987 ..	(D)	53	2 837	394	(D)	4 769	1 175	2 531
Property taxes paid ----- farms, 1987 ..	84	132	1 407	285	28	1 310	1 031	835
\$1,000, 1987 ..	159	286	5 421	603	42	5 788	2 741	3 117
All other farm production expenses ----- farms, 1987 ..	78	123	1 344	275	26	1 255	1 008	837
\$1,000, 1987 ..	226	293	19 201	1 019	23	4 908	3 363	3 566

See footnotes at end of table.

Table 3. Farm Production Expenses: 1987 and 1982—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
Total farm production expenses ----- farms, 1987..	1 559	52	1 160	1 206	1 277	1 222	334	178
\$1,000, 1987..	79 886	917	35 213	64 323	58 663	46 007	13 467	2 718
Average per farm ----- dollars, 1987..	51 242	17 640	30 356	53 336	45 938	37 649	40 320	15 269
Livestock and poultry purchased ----- farms, 1987..	543	17	345	304	270	418	49	51
1982..	435	18	270	299	301	464	51	41
\$1,000, 1987..	5 584	68	1 723	2 408	2 176	5 121	72	102
1982..	4 068	60	2 130	2 011	2 787	4 028	62	79
Feed for livestock and poultry ----- farms, 1987..	789	33	463	458	400	575	88	92
1982..	958	30	454	469	491	734	111	132
\$1,000, 1987..	7 938	86	3 185	5 158	4 967	3 865	282	576
1982..	7 861	46	2 855	5 209	5 201	4 694	294	545
Commercially mixed formula feeds ----- farms, 1987..	530	9	275	262	210	320	43	51
1982..	718	10	232	224	267	320	52	61
\$1,000, 1987..	4 842	32	1 594	3 465	2 310	2 332	119	402
1982..	4 231	21	1 264	3 938	2 822	2 207	236	418
Seeds, bulbs, plants, and trees ----- farms, 1987..	1 265	28	952	982	722	788	177	89
1982..	1 506	30	1 059	1 288	817	973	279	117
\$1,000, 1987..	4 606	38	1 827	3 952	2 987	2 116	1 101	91
1982..	4 088	21	1 848	3 924	2 269	2 349	481	95
Commercial fertilizer ¹ ----- farms, 1987..	1 279	35	885	968	1 029	856	196	94
1982..	1 498	38	1 043	1 233	1 136	885	322	109
\$1,000, 1987..	10 156	76	4 129	9 813	3 557	4 973	582	151
1982..	12 231	61	4 780	11 844	4 733	5 364	1 021	187
Agricultural chemicals ¹ ----- farms, 1987..	1 160	23	916	946	1 029	806	239	96
1982..	1 355	20	999	1 060	1 085	813	258	58
\$1,000, 1987..	3 471	18	2 334	4 189	4 845	2 121	547	90
1982..	3 760	15	1 944	3 921	4 431	1 876	467	111
Petroleum products ----- farms, 1987..	1 525	51	1 121	1 169	1 230	1 153	312	171
1982..	1 842	56	1 387	1 471	1 464	1 329	439	229
\$1,000, 1987..	4 795	90	2 344	4 137	2 805	2 565	1 138	182
1982..	7 281	69	3 978	6 371	4 106	4 514	2 205	312
Gasoline and gasohol ----- farms, 1987..	1 276	43	1 010	1 035	1 132	986	275	150
1982..	1 605	49	1 176	1 418	1 356	1 258	380	229
\$1,000, 1987..	1 439	38	894	1 466	1 224	940	243	84
1982..	2 417	36	1 379	2 602	1 826	1 727	667	148
Diesel fuel ----- farms, 1987..	1 112	24	739	758	621	718	171	74
1982..	1 318	29	912	944	654	689	190	121
\$1,000, 1987..	2 611	38	1 082	1 943	882	1 080	212	80
1982..	3 574	25	1 814	2 737	1 313	1 599	365	123
Natural gas ----- farms, 1987..	52	1	18	66	21	33	51	-
1982..	55	-	37	53	31	52	71	-
\$1,000, 1987..	103	(D)	22	166	236	180	562	-
1982..	109	-	148	126	166	413	1 056	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	1 159	41	826	932	814	837	202	104
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	642	(D)	346	562	463	364	121	17
1982..	1 182	8	637	905	801	775	117	41
Electricity ----- farms, 1987..	1 297	45	862	937	965	916	224	128
1982..	1 447	36	1 045	1 121	963	926	223	189
\$1,000, 1987..	2 054	29	854	1 118	1 130	976	363	113
1982..	2 245	16	872	1 088	1 054	953	369	99
Hired farm labor ----- farms, 1987..	578	19	365	456	531	322	117	46
1982..	702	15	382	535	691	500	125	59
\$1,000, 1987..	5 829	42	1 881	4 776	12 614	4 374	3 891	176
1982..	5 215	30	1 974	3 596	8 216	3 041	1 937	166
Contract labor ----- farms, 1987..	142	4	90	108	260	117	31	7
1982..	46	4	30	84	178	77	21	14
\$1,000, 1987..	496	2	152	537	2 733	240	47	5
1982..	178	1	56	464	952	305	52	20
Repair and maintenance ----- farms, 1987..	1 384	42	1 031	1 072	1 067	1 041	261	128
\$1,000, 1987..	6 058	92	3 176	4 460	3 795	3 690	817	223
Customwork, machine hire, and rental of machinery and equipment ² ----- farms, 1987..	730	18	425	385	477	402	80	44
1982..	721	12	359	576	567	451	151	55
\$1,000, 1987..	1 631	16	487	1 281	1 422	526	57	14
1982..	1 069	(D)	378	773	1 107	571	62	12
Interest paid ³ ----- farms, 1987..	858	32	618	666	569	544	108	55
1982..	1 119	16	740	681	760	584	158	43
\$1,000, 1987..	8 542	139	4 484	6 507	4 610	3 975	547	196
1982..	12 978	125	5 532	9 627	7 723	5 025	751	399
Interest paid on debt:								
Secured by real estate ----- farms, 1987..	658	26	479	485	458	433	80	34
\$1,000, 1987..	6 105	115	3 154	4 508	3 458	2 962	361	114
Not secured by real estate ----- farms, 1987..	508	14	335	370	315	280	38	31
\$1,000, 1987..	2 437	24	1 330	1 999	1 152	1 013	186	81
Cash rent ----- farms, 1987..	745	13	344	478	216	427	96	21
\$1,000, 1987..	4 890	16	1 558	6 232	1 378	2 704	390	62
Property taxes paid ----- farms, 1987..	1 405	51	1 100	1 071	1 223	1 127	316	176
\$1,000, 1987..	4 860	90	3 735	4 334	3 097	4 700	995	324
All other farm production expenses ----- farms, 1987..	1 422	48	1 003	1 095	1 179	1 131	297	155
\$1,000, 1987..	8 977	115	3 343	5 422	6 548	4 660	2 637	412

¹Data for 1987 include cost of custom applications.

²Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.

³Data for 1982 do not include imputation for item nonresponse.