

**Table 3. Farm Production Expenses: 2017 and 2012**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim
Total farm production expenses .....farms, 2017	47,641	223	126	1,172	415	333
2012	52,194	235	93	1,396	458	415
\$1,000, 2017	7,208,181	10,585	4,388	492,678	20,991	29,311
2012	6,942,117	10,631	2,788	499,507	21,042	24,255
Average per farm .....dollars, 2017	151,302	47,467	34,823	420,373	50,581	88,022
2012	133,006	45,239	29,982	357,813	45,944	58,445
Fertilizer, lime, and soil conditioners purchased .....farms, 2017	25,277	87	54	648	175	195
2012	26,149	91	42	682	212	199
\$1,000, 2017	592,379	508	156	17,630	1,726	2,331
2012	785,135	795	210	25,207	1,817	2,343
Chemicals purchased .....farms, 2017	21,160	61	31	545	99	157
2012	25,051	73	39	650	173	187
\$1,000, 2017	360,374	142	35	11,644	649	3,415
2012	362,470	209	57	12,016	638	2,318
Seeds, plants, vines, and trees purchased .....farms, 2017	20,784	63	62	503	134	142
2012	24,913	93	37	620	195	164
\$1,000, 2017	604,053	694	211	17,438	1,456	1,751
2012	600,433	456	103	23,149	1,040	1,526
Cover crop seed purchased (see text) .....farms, 2017	4,189	14	19	91	53	46
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	9,812	21	6	206	72	8
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased .....farms, 2017	11,498	38	45	375	106	72
2012	12,053	53	34	363	130	86
\$1,000, 2017	390,358	(D)	158	34,699	414	724
2012	326,573	438	164	39,541	365	858
Breeding livestock purchased or leased .....farms, 2017	4,570	21	21	146	46	14
2012	4,980	21	18	177	49	27
\$1,000, 2017	87,771	(D)	57	4,582	201	68
2012	79,605	168	92	4,087	205	87
Other livestock and poultry purchased or leased .....farms, 2017	8,630	18	38	284	83	64
2012	8,785	38	21	261	97	71
\$1,000, 2017	302,587	123	101	30,117	213	656
2012	246,968	270	73	35,454	161	771
Feed purchased .....farms, 2017	22,882	105	76	685	222	134
2012	24,389	123	59	721	267	159
\$1,000, 2017	1,269,333	2,197	799	179,919	4,772	1,805
2012	1,240,433	2,368	524	188,878	3,769	1,910
Gasoline, fuels, and oils purchased .....farms, 2017	45,095	209	121	1,133	402	329
2012	49,756	225	86	1,343	445	393
\$1,000, 2017	313,479	746	306	13,324	1,473	1,777
2012	397,260	826	252	16,046	1,877	1,797
Utilities .....farms, 2017	32,201	146	79	833	291	227
2012	33,863	160	71	968	301	231
\$1,000, 2017	190,561	383	253	11,898	684	1,037
2012	159,587	324	125	10,900	692	845
Repairs, supplies, and maintenance costs .....farms, 2017	39,756	189	121	973	334	281
2012	42,041	184	79	1,133	366	318
\$1,000, 2017	524,438	1,427	441	23,053	1,606	2,511
2012	482,696	1,179	277	21,304	1,747	1,637
Hired farm labor .....farms, 2017	11,907	32	20	360	69	99
2012	13,620	60	16	405	98	131
\$1,000, 2017	952,388	909	500	68,966	2,659	6,768
2012	744,744	1,017	336	53,713	1,414	4,983
Contract labor .....farms, 2017	3,245	8	4	114	10	32
2012	3,906	9	5	133	26	49
\$1,000, 2017	109,346	(D)	50	9,066	140	212
2012	71,648	124	(D)	5,066	93	427
Customwork and custom hauling .....farms, 2017	9,567	29	9	261	59	31
2012	10,726	33	9	330	103	51
\$1,000, 2017	165,370	519	46	5,393	471	107
2012	147,478	302	42	4,605	554	335
Cash rent for land, buildings, and grazing fees .....farms, 2017	12,268	51	30	330	82	49
2012	13,999	57	27	362	124	65
\$1,000, 2017	486,995	572	453	17,689	734	940
2012	470,091	770	179	19,655	2,782	814
Rent and lease expenses for machinery, equipment, and farm share of vehicles .....farms, 2017	3,900	4	6	105	26	34
2012	3,758	12	2	122	23	18
\$1,000, 2017	54,493	(D)	5	1,703	70	302
2012	53,824	28	(D)	3,314	87	157
Interest expense .....farms, 2017	16,660	53	41	400	122	117
2012	20,346	89	26	494	182	151
\$1,000, 2017	297,871	325	276	12,768	1,220	1,373
2012	293,485	545	91	11,800	1,810	1,600
Secured by real estate .....farms, 2017	13,505	44	30	324	103	83
2012	16,443	75	15	391	159	123
\$1,000, 2017	212,045	281	147	9,280	891	1,077
2012	208,958	425	76	8,162	1,389	1,142
Not secured by real estate .....farms, 2017	9,651	34	30	227	70	71
2012	11,124	48	17	280	92	74
\$1,000, 2017	85,827	44	129	3,488	329	297
2012	84,527	120	16	3,638	420	457
Property taxes paid .....farms, 2017	45,697	220	122	1,128	409	329
2012	50,155	229	89	1,344	448	398
\$1,000, 2017	250,626	591	321	8,214	1,368	1,894
2012	217,503	560	218	7,066	1,080	1,229

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Arenac	Baraga	Barry	Bay	Benzie	Berrien
Total farm production expenses ..... farms, 2017	350	65	938	726	197	872
2012	421	57	1,031	766	181	1,063
\$1,000, 2017	35,772	1,517	116,680	98,323	10,740	144,640
2012	36,018	1,638	106,949	108,883	8,962	142,329
Average per farm ..... dollars, 2017	102,205	23,343	124,392	135,431	54,519	165,871
2012	85,552	28,737	103,733	142,145	49,512	133,894
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	189	23	414	455	120	571
2012	168	23	371	472	96	627
\$1,000, 2017	4,654	119	6,635	16,349	411	11,173
2012	6,318	201	9,246	24,159	513	13,975
Chemicals purchased ..... farms, 2017	164	16	339	437	84	539
2012	162	23	364	496	97	660
\$1,000, 2017	2,054	53	3,536	8,797	1,063	11,773
2012	1,979	(D)	3,696	8,324	723	11,590
Seeds, plants, vines, and trees purchased ..... farms, 2017	155	25	293	429	98	420
2012	168	25	375	502	78	531
\$1,000, 2017	4,180	211	6,850	14,682	442	13,553
2012	3,248	75	6,845	14,531	438	13,659
Cover crop seed purchased (see text) ..... farms, 2017	22	4	54	103	30	73
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	102	1	109	413	7	79
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	44	19	264	73	43	131
2012	59	16	287	92	35	142
\$1,000, 2017	411	68	6,122	576	525	4,052
2012	302	89	4,242	367	945	2,739
Breeding livestock purchased or leased ..... farms, 2017	17	5	117	31	5	35
2012	27	7	130	25	8	65
\$1,000, 2017	142	57	2,886	398	8	290
2012	186	39	2,374	82	65	559
Other livestock and poultry purchased or leased ..... farms, 2017	37	14	191	48	41	112
2012	39	10	190	74	33	87
\$1,000, 2017	269	11	3,236	178	517	3,762
2012	116	50	1,868	285	881	2,180
Feed purchased ..... farms, 2017	92	38	547	156	89	263
2012	110	33	586	167	70	327
\$1,000, 2017	4,046	89	31,941	1,823	331	4,875
2012	5,058	251	27,975	2,040	633	7,179
Gasoline, fuels, and oils purchased ..... farms, 2017	307	63	886	672	173	824
2012	383	57	986	741	180	1,036
\$1,000, 2017	2,741	98	4,205	6,761	489	5,353
2012	3,129	142	5,175	9,012	564	7,902
Utilities ..... farms, 2017	212	41	594	485	143	616
2012	212	41	622	528	141	724
\$1,000, 2017	771	72	3,194	2,273	375	3,524
2012	692	60	2,848	2,215	239	2,808
Repairs, supplies, and maintenance costs ..... farms, 2017	268	59	773	616	168	728
2012	298	51	794	636	158	864
\$1,000, 2017	3,649	141	8,422	9,958	987	9,030
2012	3,427	137	7,338	11,249	707	11,769
Hired farm labor ..... farms, 2017	67	10	196	178	43	280
2012	76	15	203	206	58	404
\$1,000, 2017	3,382	75	11,988	6,149	3,202	36,975
2012	3,037	197	10,501	6,038	1,775	31,100
Contract labor ..... farms, 2017	11	4	74	34	23	115
2012	17	-	74	57	23	131
\$1,000, 2017	(D)	19	1,305	357	401	3,356
2012	177	-	586	327	119	2,481
Customwork and custom hauling ..... farms, 2017	83	6	217	150	32	194
2012	85	3	216	168	18	242
\$1,000, 2017	716	3	4,251	1,183	416	3,337
2012	643	(D)	4,336	1,258	296	2,721
Cash rent for land, buildings, and grazing fees ..... farms, 2017	112	11	220	281	19	237
2012	106	10	246	298	27	271
\$1,000, 2017	2,350	158	8,381	12,060	174	10,269
2012	2,952	86	6,288	12,947	232	8,808
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	40	3	71	62	26	81
2012	32	1	50	89	17	75
\$1,000, 2017	(D)	1	612	745	76	820
2012	157	(D)	591	1,059	70	609
Interest expense ..... farms, 2017	124	22	346	321	64	293
2012	168	11	383	351	56	413
\$1,000, 2017	1,291	114	4,043	5,215	494	4,852
2012	1,517	138	5,657	5,076	661	7,625
Secured by real estate ..... farms, 2017	102	18	276	262	43	236
2012	138	10	332	284	51	322
\$1,000, 2017	856	68	3,005	3,820	312	3,800
2012	1,154	83	4,445	3,384	579	5,943
Not secured by real estate ..... farms, 2017	59	10	207	168	36	157
2012	80	6	171	195	23	226
\$1,000, 2017	435	46	1,038	1,395	182	1,052
2012	363	55	1,212	1,692	81	1,682
Property taxes paid ..... farms, 2017	339	65	900	685	186	830
2012	402	55	1,001	735	176	1,023
\$1,000, 2017	1,847	179	4,086	4,971	538	4,926
2012	1,215	136	3,543	4,349	418	4,388

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Branch	Calhoun	Cass	Charlevoix	Cheboygan	Chippewa	
Total farm production expenses	farms, 2017	789	958	747	271	330	427
	2012	1,054	1,023	798	297	313	409
	\$1,000, 2017	140,272	107,115	136,525	7,005	7,810	10,790
Average per farm	2012	137,658	120,040	139,970	8,957	11,016	11,464
	dollars, 2017	177,785	111,811	182,765	25,850	23,667	25,270
	2012	130,605	117,341	175,401	30,157	35,194	28,028
Fertilizer, lime, and soil conditioners purchased	farms, 2017	466	517	421	119	120	131
	2012	515	543	429	143	121	104
	\$1,000, 2017	16,277	11,904	12,860	777	532	303
Chemicals purchased	2012	20,342	16,835	16,680	953	493	259
	farms, 2017	398	449	365	87	89	45
	2012	514	520	406	130	88	78
Seeds, plants, vines, and trees purchased	\$1,000, 2017	8,040	5,665	9,687	303	70	33
	2012	7,799	5,687	8,380	436	197	36
	farms, 2017	400	407	357	90	109	105
Cover crop seed purchased (see text)	2012	486	542	382	126	108	134
	\$1,000, 2017	15,374	12,837	13,540	484	233	154
	2012	17,188	12,590	11,618	386	212	196
Livestock and poultry purchased or leased	farms, 2017	54	74	57	22	19	24
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$1,000, 2017	183	144	183	90	6	12
Breeding livestock purchased or leased	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	farms, 2017	211	205	169	78	86	107
	2012	229	230	183	74	79	115
Other livestock and poultry purchased or leased	\$1,000, 2017	11,267	3,244	6,972	318	252	535
	2012	6,743	4,465	5,487	247	272	891
	farms, 2017	82	84	72	20	24	38
Feed purchased	2012	75	85	80	29	25	58
	\$1,000, 2017	1,677	253	1,041	28	180	157
	2012	648	861	1,488	125	102	473
Gasoline, fuels, and oils purchased	farms, 2017	159	154	112	75	64	83
	2012	188	168	127	59	62	78
	\$1,000, 2017	9,590	2,991	5,931	290	72	378
Utilities	2012	6,095	3,604	3,999	122	170	418
	farms, 2017	388	470	364	141	188	219
	2012	449	493	392	144	164	220
Repairs, supplies, and maintenance costs	\$1,000, 2017	16,976	13,544	21,396	810	1,451	1,749
	2012	19,142	18,952	36,728	1,005	1,496	2,898
	farms, 2017	746	895	701	253	325	409
Contract labor	2012	982	982	764	292	306	389
	\$1,000, 2017	7,306	4,747	5,941	470	562	827
	2012	8,888	7,192	8,596	706	962	1,060
Customwork and custom hauling	farms, 2017	521	615	489	180	206	276
	2012	662	672	506	188	200	270
	\$1,000, 2017	3,949	3,108	3,875	328	304	483
Hired farm labor	2012	3,473	2,983	3,293	350	347	615
	farms, 2017	660	782	602	208	274	339
	2012	813	841	634	247	245	332
Cash rent for land, buildings, and grazing fees	\$1,000, 2017	10,636	8,610	7,766	688	1,051	1,391
	2012	10,032	9,380	7,696	1,011	1,150	1,235
	farms, 2017	184	200	171	57	44	78
Rent and lease expenses for machinery, equipment, and farm share of vehicles	2012	250	261	178	58	77	114
	\$1,000, 2017	10,249	11,133	13,798	622	781	1,403
	2012	8,465	9,786	9,766	904	1,314	880
Interest expense	farms, 2017	81	42	51	20	7	15
	2012	90	97	68	21	20	21
	\$1,000, 2017	1,281	518	1,064	136	14	35
Secured by real estate	2012	708	598	590	104	41	57
	farms, 2017	219	178	179	30	27	39
	2012	280	228	208	36	25	52
Not secured by real estate	\$1,000, 2017	3,056	2,487	3,148	146	72	101
	2012	2,439	2,242	4,450	63	240	104
	farms, 2017	234	237	233	39	46	88
Property taxes paid	2012	299	299	225	45	44	97
	\$1,000, 2017	15,668	9,318	13,327	166	448	713
	2012	12,275	9,476	7,989	612	273	718
Property taxes paid	farms, 2017	83	42	69	5	5	10
	2012	65	56	48	5	11	10
	\$1,000, 2017	1,284	855	980	6	21	17
Secured by real estate	2012	1,746	753	1,444	12	184	27
	farms, 2017	350	343	269	58	51	131
	2012	524	450	326	101	102	159
Not secured by real estate	\$1,000, 2017	7,136	5,603	6,483	338	185	879
	2012	7,008	6,175	6,151	758	1,042	981
	farms, 2017	271	291	211	45	36	112
Property taxes paid	2012	434	377	278	81	83	127
	\$1,000, 2017	5,347	4,016	4,425	289	108	630
	2012	5,273	4,502	5,182	462	676	754
Property taxes paid	farms, 2017	217	189	138	36	27	82
	2012	287	225	162	49	58	115
	\$1,000, 2017	1,788	1,588	2,058	49	76	249
Property taxes paid	2012	1,735	1,673	969	296	366	228
	farms, 2017	758	933	715	257	317	416
	2012	1,012	979	766	288	302	405
Property taxes paid	\$1,000, 2017	4,568	5,167	5,365	756	628	1,128
	2012	4,198	4,665	3,825	821	766	885

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Clare	Clinton	Crawford	Delta	Dickinson	Eaton
Total farm production expenses ..... farms, 2017	396	1,017	45	253	158	962
2012	460	1,128	49	283	162	1,163
\$1,000, 2017	20,050	210,457	720	10,159	4,647	71,275
2012	17,878	199,709	724	12,185	5,457	90,254
Average per farm ..... dollars, 2017	50,631	206,939	16,006	40,154	29,411	74,091
2012	38,865	177,047	14,770	43,058	33,683	77,604
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	165	559	18	94	50	537
2012	164	594	14	135	68	589
\$1,000, 2017	767	14,801	16	939	284	11,631
2012	1,181	22,197	15	1,297	541	17,207
Chemicals purchased ..... farms, 2017	90	508	10	54	51	465
2012	126	619	9	111	52	562
\$1,000, 2017	235	7,341	2	437	215	5,668
2012	325	7,260	2	484	236	6,371
Seeds, plants, vines, and trees purchased ..... farms, 2017	101	490	5	67	60	462
2012	155	613	12	131	54	565
\$1,000, 2017	695	13,837	2	515	316	11,052
2012	800	15,932	9	553	435	11,378
Cover crop seed purchased (see text) ..... farms, 2017	23	77	1	16	26	63
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	5	118	(D)	13	14	94
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	140	268	10	71	35	180
2012	165	302	20	87	43	244
\$1,000, 2017	1,662	6,853	21	483	129	953
2012	1,249	7,984	40	712	152	4,297
Breeding livestock purchased or leased ..... farms, 2017	67	125	2	40	11	53
2012	70	116	2	55	14	130
\$1,000, 2017	945	3,582	(D)	264	76	351
2012	293	4,261	(D)	418	73	647
Other livestock and poultry purchased or leased ..... farms, 2017	103	185	10	41	29	150
2012	131	227	19	43	32	159
\$1,000, 2017	717	3,271	(D)	219	53	602
2012	956	3,723	(D)	293	79	3,650
Feed purchased ..... farms, 2017	262	528	41	120	76	411
2012	272	496	36	159	87	526
\$1,000, 2017	5,494	52,928	165	870	761	2,640
2012	4,329	46,217	166	1,696	925	7,803
Gasoline, fuels, and oils purchased ..... farms, 2017	372	978	43	239	155	924
2012	428	1,084	49	279	157	1,098
\$1,000, 2017	1,063	8,106	37	948	420	3,739
2012	1,347	10,058	60	1,092	497	5,663
Utilities ..... farms, 2017	260	715	37	163	97	599
2012	276	755	38	204	122	718
\$1,000, 2017	728	5,478	49	435	180	1,628
2012	582	4,559	49	471	227	1,818
Repairs, supplies, and maintenance costs ..... farms, 2017	339	862	31	211	127	800
2012	369	959	44	242	140	933
\$1,000, 2017	2,365	15,115	38	1,705	673	6,623
2012	1,488	14,224	52	1,277	549	7,206
Hired farm labor ..... farms, 2017	69	239	2	44	33	205
2012	89	304	10	66	33	236
\$1,000, 2017	2,535	25,726	(D)	1,343	691	3,075
2012	1,815	19,837	39	1,101	326	3,228
Contract labor ..... farms, 2017	15	61	-	10	5	44
2012	27	60	1	14	7	77
\$1,000, 2017	48	1,043	-	135	8	308
2012	249	929	(D)	17	(D)	531
Customwork and custom hauling ..... farms, 2017	67	282	3	17	13	212
2012	79	313	7	33	33	251
\$1,000, 2017	366	6,125	(D)	108	53	1,544
2012	135	4,343	7	167	75	1,838
Cash rent for land, buildings, and grazing fees ..... farms, 2017	68	268	3	53	14	270
2012	93	335	1	77	31	369
\$1,000, 2017	484	15,104	4	182	27	8,356
2012	495	15,589	(D)	1,219	476	7,594
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	49	101	1	23	4	53
2012	25	87	2	17	3	56
\$1,000, 2017	296	1,364	(D)	90	4	632
2012	174	1,506	(D)	48	(D)	849
Interest expense ..... farms, 2017	117	352	13	73	37	331
2012	148	445	19	120	41	517
\$1,000, 2017	827	9,943	112	374	133	4,353
2012	1,557	9,620	134	582	228	4,356
Secured by real estate ..... farms, 2017	93	281	12	65	30	254
2012	112	359	15	90	37	427
\$1,000, 2017	706	6,972	102	265	105	3,269
2012	1,011	6,160	114	410	163	3,431
Not secured by real estate ..... farms, 2017	72	208	9	35	19	194
2012	79	226	12	56	25	288
\$1,000, 2017	121	2,971	9	109	28	1,084
2012	547	3,460	20	172	64	926
Property taxes paid ..... farms, 2017	378	981	45	238	157	916
2012	452	1,094	45	276	156	1,129
\$1,000, 2017	1,160	6,082	216	891	409	4,695
2012	1,126	5,410	91	742	399	4,657

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Emmet	Genesee	Gladwin	Gogebic	Grand Traverse	Gratiot
Total farm production expenses .....farms, 2017	324	820	459	54	497	812
2012	287	835	533	62	504	878
\$1,000, 2017	12,087	68,312	15,389	696	32,276	244,909
2012	8,473	75,566	16,714	686	28,588	245,236
Average per farm .....dollars, 2017	37,304	83,308	33,526	12,880	64,941	301,612
2012	29,522	90,498	31,358	11,065	56,721	279,312
Fertilizer, lime, and soil conditioners purchased .....farms, 2017	129	383	193	12	288	520
2012	125	385	197	22	295	513
\$1,000, 2017	324	6,791	2,059	10	2,245	19,963
2012	387	9,425	2,487	70	2,634	29,745
Chemicals purchased .....farms, 2017	76	322	136	5	256	493
2012	103	379	157	14	288	505
\$1,000, 2017	56	3,324	579	(D)	3,977	11,850
2012	169	4,153	515	10	2,578	10,922
Seeds, plants, vines, and trees purchased .....farms, 2017	110	324	147	11	193	434
2012	110	385	182	13	256	499
\$1,000, 2017	487	9,625	1,234	21	1,386	20,533
2012	641	9,582	1,431	32	1,563	21,038
Cover crop seed purchased (see text) .....farms, 2017	37	49	32	-	37	34
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	8	167	28	-	15	271
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased .....farms, 2017	91	201	141	23	85	155
2012	74	172	173	15	100	192
\$1,000, 2017	280	990	581	22	1,118	16,031
2012	269	836	527	24	344	13,050
Breeding livestock purchased or leased .....farms, 2017	29	73	60	5	29	63
2012	31	66	78	6	22	85
\$1,000, 2017	144	294	181	13	397	2,586
2012	71	240	224	4	65	1,981
Other livestock and poultry purchased or leased .....farms, 2017	73	148	97	22	60	108
2012	57	141	116	15	85	151
\$1,000, 2017	136	696	400	9	721	13,445
2012	198	597	303	20	279	11,069
Feed purchased .....farms, 2017	163	418	246	36	197	272
2012	173	411	308	34	190	324
\$1,000, 2017	1,405	2,877	2,007	107	1,644	59,369
2012	956	3,753	2,398	79	1,952	56,310
Gasoline, fuels, and oils purchased .....farms, 2017	317	792	421	54	463	753
2012	272	812	501	60	478	812
\$1,000, 2017	622	3,021	1,142	46	1,459	8,860
2012	535	4,541	1,509	62	2,381	12,215
Utilities .....farms, 2017	214	518	252	35	362	536
2012	173	544	301	41	351	595
\$1,000, 2017	722	2,035	451	36	1,005	4,623
2012	230	2,005	495	(D)	825	4,381
Repairs, supplies, and maintenance costs .....farms, 2017	261	686	323	47	388	670
2012	226	696	410	41	397	727
\$1,000, 2017	1,099	4,750	1,391	92	2,716	15,343
2012	599	6,494	1,377	87	2,433	16,133
Hired farm labor .....farms, 2017	64	169	62	13	160	220
2012	86	228	104	16	154	265
\$1,000, 2017	3,941	11,126	1,005	(D)	7,245	22,174
2012	1,691	10,873	893	35	3,680	15,364
Contract labor .....farms, 2017	27	37	16	4	94	59
2012	10	53	23	1	78	83
\$1,000, 2017	161	469	119	5	1,433	1,978
2012	(D)	448	190	(D)	910	1,923
Customwork and custom hauling .....farms, 2017	41	118	43	6	72	196
2012	26	129	71	9	87	212
\$1,000, 2017	138	894	602	2	449	9,002
2012	62	506	514	4	384	7,131
Cash rent for land, buildings, and grazing fees .....farms, 2017	50	177	80	5	80	249
2012	63	211	109	2	91	275
\$1,000, 2017	112	5,412	671	6	1,099	18,568
2012	712	6,613	992	(D)	1,598	20,844
Rent and lease expenses for machinery, equipment, and farm share of vehicles .....farms, 2017	8	43	22	1	59	96
2012	3	48	22	3	51	117
\$1,000, 2017	114	367	29	(D)	484	1,343
2012	(D)	667	49	1	642	2,916
Interest expense .....farms, 2017	80	228	120	10	163	349
2012	117	288	176	16	185	438
\$1,000, 2017	561	2,733	998	86	1,858	8,662
2012	942	2,763	1,038	91	1,688	9,825
Secured by real estate .....farms, 2017	69	201	101	8	139	298
2012	89	212	153	15	147	373
\$1,000, 2017	492	1,775	866	53	1,511	5,731
2012	492	1,871	844	82	1,392	6,588
Not secured by real estate .....farms, 2017	26	138	64	6	80	213
2012	72	180	78	5	98	223
\$1,000, 2017	68	957	132	33	347	2,931
2012	450	892	194	9	296	3,237
Property taxes paid .....farms, 2017	317	785	458	54	479	767
2012	276	790	528	62	487	837
\$1,000, 2017	1,251	4,401	1,386	137	2,105	5,232
2012	841	3,174	1,196	102	1,732	4,716

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Total farm production expenses ..... farms, 2017	1,205	208	1,153	912	954	244
2012	1,530	177	1,205	944	1,109	283
\$1,000, 2017	149,048	5,477	532,831	99,562	344,896	12,319
2012	132,739	3,134	494,642	109,562	305,500	14,036
Average per farm ..... dollars, 2017	123,691	26,333	462,126	109,169	361,526	50,489
2012	86,758	17,707	410,492	116,061	275,473	49,598
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	538	82	745	430	582	111
2012	623	76	770	462	584	123
\$1,000, 2017	13,349	(D)	40,496	10,568	15,426	802
2012	19,018	282	55,224	18,269	21,499	1,380
Chemicals purchased ..... farms, 2017	463	40	729	345	518	54
2012	614	69	766	457	595	92
\$1,000, 2017	7,054	(D)	26,226	4,299	6,745	261
2012	6,541	66	25,260	5,690	8,971	195
Seeds, plants, vines, and trees purchased ..... farms, 2017	481	62	717	371	471	64
2012	617	73	756	436	573	102
\$1,000, 2017	13,066	573	35,751	10,393	15,836	672
2012	18,480	189	32,507	12,251	16,843	811
Cover crop seed purchased (see text) ..... farms, 2017	88	30	216	47	89	10
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	380	6	1,093	44	125	10
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	265	54	259	236	297	46
2012	347	43	301	246	312	65
\$1,000, 2017	11,087	60	62,837	1,697	29,000	529
2012	6,974	36	52,448	1,271	22,967	560
Breeding livestock purchased or leased ..... farms, 2017	126	16	90	88	141	28
2012	126	12	107	98	155	37
\$1,000, 2017	4,747	34	18,690	612	5,432	204
2012	896	18	10,565	419	7,837	502
Other livestock and poultry purchased or leased ..... farms, 2017	170	42	198	175	207	22
2012	262	35	244	175	211	42
\$1,000, 2017	6,340	26	44,147	1,085	23,568	324
2012	6,077	17	41,882	852	15,129	57
Feed purchased ..... farms, 2017	509	115	391	527	541	127
2012	629	94	425	495	594	160
\$1,000, 2017	21,588	573	138,029	11,466	94,955	2,691
2012	14,945	431	129,616	10,687	76,085	3,316
Gasoline, fuels, and oils purchased ..... farms, 2017	1,085	204	1,076	892	924	234
2012	1,390	163	1,139	905	1,064	274
\$1,000, 2017	6,681	497	20,358	5,253	10,109	756
2012	7,843	377	23,763	7,566	12,739	1,116
Utilities ..... farms, 2017	734	132	874	626	721	169
2012	824	107	884	648	775	183
\$1,000, 2017	3,760	281	8,529	2,285	7,635	473
2012	2,945	171	6,573	2,288	6,025	507
Repairs, supplies, and maintenance costs ..... farms, 2017	955	167	1,015	755	822	208
2012	1,094	125	1,016	772	935	221
\$1,000, 2017	11,885	631	33,153	7,933	17,279	1,467
2012	8,859	296	30,114	9,083	16,649	1,317
Hired farm labor ..... farms, 2017	281	37	373	240	231	30
2012	316	47	388	273	277	50
\$1,000, 2017	17,024	620	40,557	12,433	38,308	759
2012	12,418	334	29,409	11,983	28,543	888
Contract labor ..... farms, 2017	63	7	94	54	51	6
2012	97	7	76	99	82	15
\$1,000, 2017	630	(D)	2,848	395	6,331	(D)
2012	366	16	2,211	658	1,112	24
Customwork and custom hauling ..... farms, 2017	306	12	353	156	269	39
2012	281	15	369	193	341	53
\$1,000, 2017	4,070	35	13,042	2,365	12,353	295
2012	2,027	27	12,290	1,688	5,396	396
Cash rent for land, buildings, and grazing fees ..... farms, 2017	303	33	451	204	298	58
2012	350	13	454	267	368	70
\$1,000, 2017	12,708	190	42,880	9,105	13,106	395
2012	11,034	144	32,874	8,365	11,620	665
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	78	6	139	74	91	12
2012	85	6	139	66	97	15
\$1,000, 2017	1,856	47	3,177	2,475	1,093	(D)
2012	1,132	8	2,178	1,320	1,434	198
Interest expense ..... farms, 2017	440	40	533	305	427	82
2012	645	46	634	356	477	98
\$1,000, 2017	7,246	546	22,552	5,246	9,447	997
2012	6,518	174	21,645	5,624	9,233	828
Secured by real estate ..... farms, 2017	363	24	420	252	359	69
2012	564	35	517	271	382	82
\$1,000, 2017	4,699	435	14,087	3,989	6,627	780
2012	4,908	145	14,374	4,172	6,196	672
Not secured by real estate ..... farms, 2017	268	25	316	152	254	48
2012	322	21	391	221	293	47
\$1,000, 2017	2,547	111	8,465	1,257	2,820	217
2012	1,610	29	7,271	1,452	3,037	156
Property taxes paid ..... farms, 2017	1,168	198	1,083	865	931	242
2012	1,486	175	1,142	879	1,077	275
\$1,000, 2017	5,187	527	9,152	6,494	5,515	821
2012	4,814	322	8,810	5,490	5,392	639

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent
Total farm production expenses .....farms, 2017	133	959	923	707	225	1,010
2012	117	928	1,073	734	224	1,159
\$1,000, 2017	4,113	103,285	73,198	192,517	7,715	230,518
2012	3,539	89,212	75,410	198,134	8,088	209,122
Average per farm .....dollars, 2017	30,926	107,701	79,304	272,301	34,291	228,236
2012	30,248	96,134	70,279	269,937	36,109	180,433
Fertilizer, lime, and soil conditioners purchased .....farms, 2017	42	538	395	380	108	551
2012	43	466	471	362	97	591
\$1,000, 2017	387	10,343	8,207	12,948	771	11,709
2012	473	13,542	13,184	15,371	877	12,192
Chemicals purchased .....farms, 2017	26	427	355	297	56	437
2012	24	446	451	367	70	571
\$1,000, 2017	167	4,895	4,651	5,256	329	12,796
2012	139	4,806	4,707	6,482	401	12,373
Seeds, plants, vines, and trees purchased .....farms, 2017	34	468	347	313	53	444
2012	34	465	452	389	96	542
\$1,000, 2017	244	8,975	8,014	21,354	487	33,814
2012	177	8,489	7,608	21,481	836	32,148
Cover crop seed purchased (see text) .....farms, 2017	7	62	62	58	21	138
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	41	107	268	116	18	192
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased .....farms, 2017	47	254	245	205	75	300
2012	29	253	297	167	57	293
\$1,000, 2017	159	5,215	3,089	6,937	103	4,287
2012	102	5,511	2,205	3,797	51	4,463
Breeding livestock purchased or leased .....farms, 2017	27	109	104	78	19	100
2012	11	100	146	59	14	119
\$1,000, 2017	88	798	515	736	40	694
2012	85	1,184	607	1,115	21	1,103
Other livestock and poultry purchased or leased .....farms, 2017	33	174	185	151	66	242
2012	21	184	202	126	47	211
\$1,000, 2017	72	4,417	2,574	6,201	64	3,593
2012	17	4,327	1,598	2,682	30	3,361
Feed purchased .....farms, 2017	78	469	545	369	109	572
2012	60	432	579	369	113	656
\$1,000, 2017	147	19,549	7,728	19,554	387	17,281
2012	249	12,076	8,058	23,848	556	21,085
Gasoline, fuels, and oils purchased .....farms, 2017	132	917	878	662	218	976
2012	111	889	1,034	690	203	1,101
\$1,000, 2017	310	5,344	4,024	7,993	425	8,887
2012	288	5,986	5,380	9,956	523	12,030
Utilities .....farms, 2017	87	605	615	481	149	703
2012	77	580	698	484	133	789
\$1,000, 2017	143	2,604	2,201	8,128	405	7,403
2012	107	1,850	2,066	6,812	450	4,813
Repairs, supplies, and maintenance costs .....farms, 2017	122	790	798	585	190	885
2012	99	752	876	600	162	935
\$1,000, 2017	643	8,734	5,834	13,111	1,784	15,853
2012	308	7,375	5,792	16,152	967	12,051
Hired farm labor .....farms, 2017	16	216	212	232	26	328
2012	22	214	260	233	48	362
\$1,000, 2017	892	9,346	6,716	44,145	1,193	49,885
2012	710	5,103	5,245	35,511	1,413	35,745
Contract labor .....farms, 2017	8	74	45	51	11	119
2012	8	60	50	76	16	119
\$1,000, 2017	8	750	418	1,810	132	16,967
2012	58	305	380	1,256	93	9,684
Customwork and custom hauling .....farms, 2017	13	224	149	140	16	180
2012	9	205	173	141	26	196
\$1,000, 2017	15	1,625	1,529	3,171	20	2,425
2012	3	1,352	1,358	8,224	62	5,760
Cash rent for land, buildings, and grazing fees .....farms, 2017	29	277	220	171	24	256
2012	29	245	271	181	18	317
\$1,000, 2017	195	9,407	6,511	7,711	290	10,165
2012	340	6,767	5,204	9,127	345	8,663
Rent and lease expenses for machinery, equipment, and farm share of vehicles .....farms, 2017	11	94	43	77	7	84
2012	5	108	37	75	6	82
\$1,000, 2017	11	1,260	1,113	940	7	991
2012	3	587	400	1,445	15	1,033
Interest expense .....farms, 2017	26	373	282	205	76	338
2012	29	391	397	300	65	365
\$1,000, 2017	98	4,633	3,497	4,679	397	9,413
2012	93	4,191	3,825	6,338	607	5,686
Secured by real estate .....farms, 2017	19	330	215	157	58	278
2012	21	331	309	237	55	282
\$1,000, 2017	73	3,610	2,083	3,070	290	6,485
2012	73	3,068	2,601	4,695	421	4,558
Not secured by real estate .....farms, 2017	18	212	177	137	41	175
2012	17	214	214	156	30	193
\$1,000, 2017	25	1,023	1,415	1,608	107	2,928
2012	20	1,123	1,224	1,643	186	1,128
Property taxes paid .....farms, 2017	131	913	893	676	224	968
2012	111	906	1,034	700	212	1,094
\$1,000, 2017	261	4,530	4,278	4,665	601	6,658
2012	210	3,704	4,147	4,085	491	5,822

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Keweenaw	Lake	Lapeer	Leelanau	Lenawee	Livingston
Total farm production expenses ..... farms, 2017	9	168	1,013	470	1,361	724
2012	6	200	1,133	494	1,618	734
\$1,000, 2017	49	4,518	75,778	44,249	229,074	43,603
2012	78	5,253	83,063	34,746	189,765	45,418
Average per farm ..... dollars, 2017	5,486	26,894	74,806	94,146	168,313	60,225
2012	13,062	26,267	73,312	70,336	117,284	61,878
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	3	74	479	314	747	290
2012	-	71	545	297	736	317
\$1,000, 2017	5	299	8,101	2,347	28,544	3,510
2012	-	444	11,743	1,551	29,996	5,026
Chemicals purchased ..... farms, 2017	3	50	416	261	708	278
2012	-	56	526	329	775	302
\$1,000, 2017	1	127	4,324	5,939	13,130	1,831
2012	-	151	4,446	4,299	11,439	2,544
Seeds, plants, vines, and trees purchased ..... farms, 2017	3	52	439	209	668	281
2012	-	75	508	272	774	291
\$1,000, 2017	4	255	8,001	1,370	23,416	3,793
2012	-	315	8,511	1,526	19,301	3,920
Cover crop seed purchased (see text) ..... farms, 2017	3	13	67	62	119	32
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	2	9	97	50	241	37
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	-	44	271	88	237	232
2012	-	49	277	66	245	171
\$1,000, 2017	-	138	3,823	459	11,150	570
2012	-	105	4,905	771	3,869	1,165
Breeding livestock purchased or leased ..... farms, 2017	-	22	114	20	79	92
2012	-	20	96	29	92	64
\$1,000, 2017	-	93	493	18	5,249	305
2012	-	56	353	119	921	294
Other livestock and poultry purchased or leased ..... farms, 2017	-	28	205	75	185	167
2012	-	33	209	54	181	133
\$1,000, 2017	-	44	3,330	441	5,901	266
2012	-	50	4,553	652	2,948	872
Feed purchased ..... farms, 2017	3	96	620	165	448	444
2012	6	124	660	141	498	442
\$1,000, 2017	8	899	4,125	793	24,363	5,836
2012	17	792	6,490	766	23,372	5,341
Gasoline, fuels, and oils purchased ..... farms, 2017	9	155	979	434	1,250	707
2012	6	193	1,107	473	1,495	712
\$1,000, 2017	2	316	4,547	2,353	9,985	2,030
2012	15	420	5,781	2,173	11,490	3,039
Utilities ..... farms, 2017	3	103	671	345	847	493
2012	2	142	780	378	877	484
\$1,000, 2017	1	170	2,124	1,339	4,828	1,536
2012	(D)	176	2,008	1,014	3,383	1,174
Repairs, supplies, and maintenance costs ..... farms, 2017	3	144	881	384	1,126	613
2012	4	157	952	417	1,239	589
\$1,000, 2017	6	509	7,567	3,963	16,349	4,406
2012	10	475	6,744	2,300	13,266	4,085
Hired farm labor ..... farms, 2017	-	27	232	230	319	145
2012	-	40	293	212	376	164
\$1,000, 2017	-	440	9,685	13,814	17,931	6,147
2012	-	562	10,374	9,232	13,660	5,102
Contract labor ..... farms, 2017	-	3	52	120	77	44
2012	-	7	65	128	59	49
\$1,000, 2017	-	3	921	1,927	1,621	872
2012	-	66	501	2,133	1,700	854
Customwork and custom hauling ..... farms, 2017	3	21	169	93	285	114
2012	-	27	210	95	355	107
\$1,000, 2017	2	116	1,149	803	5,070	950
2012	-	46	1,322	632	4,556	854
Cash rent for land, buildings, and grazing fees ..... farms, 2017	-	17	267	78	460	135
2012	-	30	298	95	463	158
\$1,000, 2017	-	100	5,339	1,081	34,649	2,012
2012	-	240	5,193	977	23,986	2,601
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	-	9	59	43	87	48
2012	-	6	70	53	113	32
\$1,000, 2017	-	35	871	197	1,375	620
2012	-	22	553	209	2,032	232
Interest expense ..... farms, 2017	3	38	367	179	502	197
2012	4	61	393	177	590	221
\$1,000, 2017	13	130	4,425	2,306	10,276	1,907
2012	9	436	3,631	2,304	8,651	2,143
Secured by real estate ..... farms, 2017	3	28	307	144	391	164
2012	2	53	294	146	495	153
\$1,000, 2017	13	88	3,176	1,943	7,063	1,408
2012	(D)	373	2,686	2,020	6,133	1,673
Not secured by real estate ..... farms, 2017	-	23	214	95	314	114
2012	2	26	247	91	315	139
\$1,000, 2017	-	42	1,249	363	3,213	499
2012	(D)	62	946	285	2,517	470
Property taxes paid ..... farms, 2017	9	168	971	443	1,267	694
2012	6	192	1,086	462	1,509	706
\$1,000, 2017	4	526	5,022	2,295	8,847	3,409
2012	5	568	4,096	2,110	7,037	3,251

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Luce	Mackinac	Macomb	Manistee	Marquette	Mason
Total farm production expenses .....farms, 2017	71	101	404	274	179	472
2012	43	103	502	324	168	440
\$1,000, 2017	3,748	5,621	68,232	11,398	5,055	46,285
2012	3,072	4,314	64,185	10,121	3,686	41,626
Average per farm .....dollars, 2017	52,786	55,657	168,892	41,599	28,241	98,061
2012	71,435	41,884	127,858	31,239	21,942	94,606
Fertilizer, lime, and soil conditioners purchased .....farms, 2017	20	40	252	161	80	240
2012	12	37	272	159	64	215
\$1,000, 2017	(D)	75	5,873	641	324	4,443
2012	(D)	(D)	5,806	847	139	5,072
Chemicals purchased .....farms, 2017	14	24	234	109	34	210
2012	12	24	273	144	42	212
\$1,000, 2017	(D)	30	2,955	1,066	107	2,460
2012	(D)	(D)	2,384	705	42	2,540
Seeds, plants, vines, and trees purchased .....farms, 2017	15	43	224	125	78	216
2012	17	40	278	144	42	215
\$1,000, 2017	307	103	11,570	634	184	3,203
2012	181	47	7,334	676	126	2,669
Cover crop seed purchased (see text) .....farms, 2017	1	7	24	50	17	70
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	(D)	(D)	10	24	4	94
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased .....farms, 2017	21	34	81	53	66	83
2012	11	36	91	53	47	94
\$1,000, 2017	(D)	205	(D)	705	406	1,728
2012	(D)	254	7,561	(D)	204	2,200
Breeding livestock purchased or leased .....farms, 2017	6	9	26	7	28	41
2012	2	22	40	18	15	50
\$1,000, 2017	125	23	52	11	153	433
2012	(D)	61	137	25	28	1,140
Other livestock and poultry purchased or leased .....farms, 2017	16	28	66	49	48	47
2012	10	22	66	48	36	57
\$1,000, 2017	(D)	183	(D)	694	253	1,295
2012	(D)	193	7,424	(D)	177	1,060
Feed purchased .....farms, 2017	39	68	172	116	110	215
2012	27	68	208	141	117	215
\$1,000, 2017	194	2,176	2,174	1,118	632	6,005
2012	225	1,176	5,491	628	866	6,362
Gasoline, fuels, and oils purchased .....farms, 2017	66	97	395	265	175	450
2012	41	97	488	295	162	424
\$1,000, 2017	260	303	3,958	684	376	2,366
2012	213	325	4,275	853	322	3,039
Utilities .....farms, 2017	50	62	314	192	126	307
2012	24	59	349	190	100	300
\$1,000, 2017	156	157	2,161	363	286	1,367
2012	114	98	1,460	428	178	928
Repairs, supplies, and maintenance costs .....farms, 2017	58	71	373	239	155	385
2012	32	90	410	241	124	375
\$1,000, 2017	372	585	5,767	1,085	658	3,698
2012	247	399	4,822	725	298	3,301
Hired farm labor .....farms, 2017	14	18	146	58	36	123
2012	11	16	165	61	28	125
\$1,000, 2017	535	832	14,955	1,439	668	8,943
2012	(D)	476	11,505	1,138	323	5,160
Contract labor .....farms, 2017	3	4	25	20	11	31
2012	3	3	41	23	15	32
\$1,000, 2017	(D)	22	584	1,052	76	546
2012	(D)	1	404	1,533	63	486
Customwork and custom hauling .....farms, 2017	6	19	91	40	21	89
2012	10	17	133	31	12	90
\$1,000, 2017	(D)	112	1,385	89	53	883
2012	129	66	948	(D)	13	625
Cash rent for land, buildings, and grazing fees .....farms, 2017	7	18	138	37	19	144
2012	19	38	164	41	22	134
\$1,000, 2017	16	56	3,668	249	52	1,606
2012	244	296	3,219	(D)	69	1,910
Rent and lease expenses for machinery, equipment, and farm share of vehicles .....farms, 2017	4	5	23	36	4	32
2012	2	3	29	11	6	52
\$1,000, 2017	(D)	10	(D)	121	1	235
2012	(D)	2	169	37	7	466
Interest expense .....farms, 2017	15	20	155	83	34	164
2012	17	53	202	91	51	182
\$1,000, 2017	171	235	2,777	607	320	1,992
2012	103	516	2,010	548	338	2,092
Secured by real estate .....farms, 2017	14	15	107	63	27	134
2012	16	42	144	76	39	147
\$1,000, 2017	124	116	2,200	491	297	1,411
2012	80	310	1,363	443	290	1,676
Not secured by real estate .....farms, 2017	9	11	86	43	17	94
2012	10	29	130	48	31	86
\$1,000, 2017	46	119	577	117	23	581
2012	23	206	647	105	47	416
Property taxes paid .....farms, 2017	71	99	375	272	171	457
2012	42	97	460	322	159	430
\$1,000, 2017	126	351	2,110	889	570	1,828
2012	108	192	2,285	904	389	1,543

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Total farm production expenses ..... farms, 2017	694	353	530	406	1,085	962
2012	779	398	555	433	1,144	1,127
\$1,000, 2017	171,138	30,591	46,497	127,958	157,725	155,427
2012	97,829	32,905	49,935	84,933	153,590	150,208
Average per farm ..... dollars, 2017	246,597	86,661	87,729	315,167	145,368	161,567
2012	125,583	82,676	89,973	196,151	134,257	133,282
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	361	178	274	195	646	545
2012	361	188	276	200	715	587
\$1,000, 2017	5,037	1,434	4,650	4,179	16,856	20,286
2012	7,515	1,940	6,404	3,837	28,562	23,841
Chemicals purchased ..... farms, 2017	250	117	221	153	603	425
2012	329	159	254	178	735	533
\$1,000, 2017	2,954	679	2,052	2,059	10,290	12,933
2012	(D)	1,170	2,467	1,779	9,812	11,863
Seeds, plants, vines, and trees purchased ..... farms, 2017	266	118	233	163	581	375
2012	361	173	258	194	717	537
\$1,000, 2017	4,035	1,251	3,621	5,036	22,016	15,721
2012	4,488	1,277	4,494	3,209	22,613	13,677
Cover crop seed purchased (see text) ..... farms, 2017	80	21	55	39	61	107
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	163	36	71	44	259	390
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	214	85	133	114	144	254
2012	223	113	121	120	179	271
\$1,000, 2017	32,166	221	968	6,552	2,963	6,311
2012	(D)	1,380	5,204	1,025	2,950	6,295
Breeding livestock purchased or leased ..... farms, 2017	122	42	54	64	61	114
2012	157	65	55	61	41	110
\$1,000, 2017	(D)	167	88	6,270	161	604
2012	(D)	1,047	(D)	769	90	885
Other livestock and poultry purchased or leased ..... farms, 2017	142	56	88	66	111	180
2012	139	69	89	84	144	200
\$1,000, 2017	(D)	53	881	282	2,803	5,707
2012	(D)	332	(D)	257	2,860	5,410
Feed purchased ..... farms, 2017	387	207	259	259	361	527
2012	449	232	256	261	364	560
\$1,000, 2017	68,928	9,067	9,893	39,411	2,390	12,436
2012	21,412	8,238	6,841	24,919	3,073	15,567
Gasoline, fuels, and oils purchased ..... farms, 2017	653	332	507	384	1,021	886
2012	743	382	523	404	1,107	1,067
\$1,000, 2017	2,882	1,633	2,374	4,814	7,609	9,867
2012	4,788	1,925	2,739	4,729	9,571	10,218
Utilities ..... farms, 2017	367	253	365	297	712	622
2012	451	256	336	281	673	687
\$1,000, 2017	3,242	1,001	1,353	3,113	3,218	4,678
2012	2,280	921	1,236	1,885	3,181	4,124
Repairs, supplies, and maintenance costs ..... farms, 2017	532	279	457	328	917	780
2012	615	311	411	338	951	869
\$1,000, 2017	5,442	3,277	3,767	9,826	15,660	11,323
2012	5,357	3,055	4,246	6,283	10,937	10,953
Hired farm labor ..... farms, 2017	127	75	101	139	256	209
2012	148	100	88	127	246	285
\$1,000, 2017	13,681	3,130	5,173	23,372	24,430	16,837
2012	7,088	2,673	2,976	15,888	18,585	15,760
Contract labor ..... farms, 2017	18	17	28	33	58	60
2012	37	22	21	39	46	59
\$1,000, 2017	585	82	97	(D)	3,289	2,180
2012	209	220	186	1,956	1,534	460
Customwork and custom hauling ..... farms, 2017	167	83	70	100	253	202
2012	174	77	59	112	272	283
\$1,000, 2017	9,453	1,195	1,391	5,909	1,518	6,660
2012	4,758	725	350	3,535	1,926	6,695
Cash rent for land, buildings, and grazing fees ..... farms, 2017	167	94	97	121	360	248
2012	202	113	100	122	389	318
\$1,000, 2017	4,383	1,228	3,123	2,834	15,005	10,133
2012	3,621	2,032	3,894	3,096	15,261	9,091
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	31	13	56	58	70	103
2012	55	30	39	44	93	78
\$1,000, 2017	594	194	298	(D)	1,787	1,372
2012	338	224	483	572	2,007	1,062
Interest expense ..... farms, 2017	225	146	182	158	423	334
2012	296	125	203	169	446	461
\$1,000, 2017	3,637	2,501	1,657	4,376	5,756	7,525
2012	3,339	1,649	1,817	3,737	5,213	6,735
Secured by real estate ..... farms, 2017	179	128	139	137	348	267
2012	245	92	174	142	336	384
\$1,000, 2017	1,939	1,991	1,159	3,704	3,857	4,929
2012	2,111	1,336	1,380	2,530	3,128	4,477
Not secured by real estate ..... farms, 2017	123	90	100	73	226	204
2012	166	79	78	73	256	207
\$1,000, 2017	1,698	510	497	672	1,899	2,596
2012	1,229	313	436	1,207	2,085	2,259
Property taxes paid ..... farms, 2017	670	349	517	397	1,020	929
2012	763	389	540	417	1,074	1,091
\$1,000, 2017	2,849	1,277	2,666	2,285	5,982	4,950
2012	2,769	1,265	2,029	1,883	4,590	4,617

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw
Total farm production expenses .....farms, 2017	178	476	850	514	545	294
2012	151	514	923	537	609	280
\$1,000, 2017	7,311	68,052	106,131	26,143	114,773	37,604
2012	5,526	62,796	96,609	26,773	97,509	36,089
Average per farm .....dollars, 2017	41,071	142,965	124,859	50,862	210,592	127,903
2012	36,598	122,171	104,668	49,857	160,113	128,888
Fertilizer, lime, and soil conditioners purchased .....farms, 2017	66	223	428	180	336	143
2012	51	237	462	164	369	139
\$1,000, 2017	611	3,984	7,416	1,279	7,503	2,242
2012	476	4,197	7,278	1,435	6,821	3,022
Chemicals purchased .....farms, 2017	52	164	285	139	275	102
2012	39	214	372	169	361	110
\$1,000, 2017	214	3,114	4,264	585	9,143	836
2012	191	2,997	3,989	721	8,920	754
Seeds, plants, vines, and trees purchased .....farms, 2017	60	180	282	161	242	111
2012	51	212	405	158	319	124
\$1,000, 2017	405	4,287	6,847	1,649	5,789	2,520
2012	378	3,518	4,954	1,479	4,566	1,837
Cover crop seed purchased (see text) .....farms, 2017	16	53	69	28	89	11
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	14	27	100	12	159	11
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased .....farms, 2017	61	156	224	100	127	68
2012	54	121	269	104	145	85
\$1,000, 2017	314	3,975	5,083	281	2,135	1,531
2012	165	2,688	3,756	213	2,582	2,161
Breeding livestock purchased or leased .....farms, 2017	29	65	107	39	41	37
2012	23	37	123	28	69	44
\$1,000, 2017	149	329	2,420	150	275	1,072
2012	60	285	2,103	64	1,088	356
Other livestock and poultry purchased or leased .....farms, 2017	48	134	149	83	107	39
2012	36	99	182	85	103	50
\$1,000, 2017	166	3,647	2,663	131	1,860	459
2012	105	2,403	1,653	149	1,494	1,804
Feed purchased .....farms, 2017	99	286	509	296	216	165
2012	93	311	538	338	262	159
\$1,000, 2017	1,299	11,663	22,086	1,868	18,452	8,997
2012	814	11,912	24,692	2,883	18,214	9,174
Gasoline, fuels, and oils purchased .....farms, 2017	166	454	818	461	529	265
2012	147	497	883	509	593	259
\$1,000, 2017	654	3,788	5,063	1,388	4,721	2,546
2012	643	3,802	5,242	1,519	5,824	2,792
Utilities .....farms, 2017	118	353	534	341	395	199
2012	92	355	560	359	430	184
\$1,000, 2017	237	2,031	3,024	1,397	3,111	1,420
2012	171	1,914	2,421	973	2,275	1,112
Repairs, supplies, and maintenance costs .....farms, 2017	152	374	663	432	481	265
2012	114	395	726	415	498	220
\$1,000, 2017	732	4,721	8,026	2,105	8,699	3,536
2012	494	4,159	6,759	2,123	7,186	3,017
Hired farm labor .....farms, 2017	23	116	200	150	233	94
2012	20	176	217	210	225	63
\$1,000, 2017	466	11,492	15,356	7,044	22,843	4,641
2012	260	11,403	12,586	7,532	17,627	3,664
Contract labor .....farms, 2017	1	42	37	27	66	10
2012	6	41	62	62	57	22
\$1,000, 2017	(D)	2,809	3,852	415	5,395	207
2012	42	491	3,339	507	2,940	201
Customwork and custom hauling .....farms, 2017	27	99	161	44	134	53
2012	22	109	229	52	158	43
\$1,000, 2017	(D)	1,723	3,494	357	1,982	833
2012	80	1,162	1,916	216	2,396	843
Cash rent for land, buildings, and grazing fees .....farms, 2017	34	92	174	41	165	91
2012	42	104	223	61	172	88
\$1,000, 2017	168	1,753	4,835	605	7,399	1,279
2012	341	1,573	4,716	619	5,387	1,714
Rent and lease expenses for machinery, equipment, and farm share of vehicles .....farms, 2017	11	40	57	26	79	31
2012	6	41	59	30	59	22
\$1,000, 2017	219	446	812	163	578	422
2012	120	360	859	193	461	257
Interest expense .....farms, 2017	68	142	262	129	215	115
2012	62	202	335	170	253	107
\$1,000, 2017	628	2,718	3,910	1,649	5,514	1,771
2012	565	3,056	4,008	1,949	3,865	1,611
Secured by real estate .....farms, 2017	62	116	223	105	169	95
2012	47	177	268	122	208	82
\$1,000, 2017	469	1,663	3,211	1,342	4,168	1,291
2012	391	2,016	3,213	1,507	2,719	1,048
Not secured by real estate .....farms, 2017	40	79	157	62	130	65
2012	32	94	194	108	118	57
\$1,000, 2017	159	1,056	699	307	1,346	479
2012	174	1,040	795	442	1,146	564
Property taxes paid .....farms, 2017	177	464	831	484	532	277
2012	150	500	904	501	595	272
\$1,000, 2017	477	2,262	3,761	3,118	3,664	965
2012	341	2,013	3,259	2,168	2,864	1,030

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle
Total farm production expenses ..... farms, 2017	114	625	144	193	1,130	322
2012	109	750	145	180	1,363	323
\$1,000, 2017	2,398	37,514	4,082	6,224	432,147	15,674
2012	1,725	37,606	6,243	6,127	440,082	18,313
Average per farm ..... dollars, 2017	21,034	60,022	28,345	32,251	382,431	48,678
2012	15,824	50,142	43,054	34,036	322,878	56,697
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	17	250	65	86	693	159
2012	22	296	49	80	809	149
\$1,000, 2017	70	1,953	262	490	17,265	1,750
2012	72	2,034	323	701	20,976	2,683
Chemicals purchased ..... farms, 2017	11	146	35	63	602	125
2012	18	203	38	69	767	146
\$1,000, 2017	24	822	44	351	15,355	793
2012	10	453	55	300	22,360	986
Seeds, plants, vines, and trees purchased ..... farms, 2017	20	165	32	64	502	112
2012	29	265	53	77	712	156
\$1,000, 2017	70	1,806	100	485	30,217	1,318
2012	34	1,619	175	273	32,586	2,004
Cover crop seed purchased (see text) ..... farms, 2017	6	47	6	8	77	35
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	2	29	(Z)	8	101	19
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	29	152	75	52	312	59
2012	21	192	72	58	363	78
\$1,000, 2017	105	907	410	226	25,658	553
2012	40	939	923	229	19,021	270
Breeding livestock purchased or leased ..... farms, 2017	11	79	24	11	117	34
2012	11	113	24	25	143	35
\$1,000, 2017	56	337	101	25	2,056	358
2012	29	626	330	159	2,835	133
Other livestock and poultry purchased or leased ..... farms, 2017	26	99	59	48	245	45
2012	12	99	61	41	273	54
\$1,000, 2017	49	571	309	201	23,602	195
2012	11	313	593	71	16,186	136
Feed purchased ..... farms, 2017	56	368	109	91	601	145
2012	57	433	112	109	636	162
\$1,000, 2017	186	9,531	937	549	99,727	1,459
2012	165	10,664	1,821	765	133,627	1,318
Gasoline, fuels, and oils purchased ..... farms, 2017	108	571	121	190	1,086	304
2012	105	708	133	174	1,311	312
\$1,000, 2017	179	2,156	204	477	13,471	1,111
2012	181	2,840	399	548	16,149	1,650
Utilities ..... farms, 2017	87	393	64	128	809	239
2012	74	453	84	116	995	226
\$1,000, 2017	154	1,170	190	272	13,586	685
2012	83	1,025	163	285	10,329	579
Repairs, supplies, and maintenance costs ..... farms, 2017	97	487	103	185	990	274
2012	88	560	113	146	1,177	258
\$1,000, 2017	360	3,747	543	588	28,892	2,057
2012	251	2,821	513	617	21,479	1,595
Hired farm labor ..... farms, 2017	25	123	30	28	421	76
2012	21	150	41	26	465	71
\$1,000, 2017	247	3,833	314	886	89,819	1,662
2012	175	3,476	345	714	71,147	2,310
Contract labor ..... farms, 2017	5	23	3	6	124	9
2012	5	48	3	13	155	20
\$1,000, 2017	15	50	4	14	12,547	34
2012	(D)	113	2	(D)	7,500	137
Customwork and custom hauling ..... farms, 2017	10	113	23	18	239	61
2012	10	153	44	22	315	70
\$1,000, 2017	47	1,416	119	111	6,944	361
2012	25	814	141	83	4,450	428
Cash rent for land, buildings, and grazing fees ..... farms, 2017	20	135	30	28	326	73
2012	29	153	29	25	415	95
\$1,000, 2017	138	1,833	67	190	14,191	734
2012	107	1,498	337	395	12,551	1,827
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	6	48	12	17	110	27
2012	2	45	5	3	105	12
\$1,000, 2017	38	317	46	54	2,223	42
2012	(D)	130	25	(D)	2,056	97
Interest expense ..... farms, 2017	34	153	38	72	331	106
2012	32	241	80	55	514	112
\$1,000, 2017	194	2,476	189	393	10,421	920
2012	238	2,285	458	374	10,362	732
Secured by real estate ..... farms, 2017	26	136	33	58	266	79
2012	27	189	68	38	418	93
\$1,000, 2017	178	1,889	108	318	7,178	723
2012	195	1,758	357	265	7,238	552
Not secured by real estate ..... farms, 2017	17	86	23	33	156	66
2012	17	146	40	37	260	51
\$1,000, 2017	15	587	81	75	3,242	197
2012	43	527	100	110	3,125	180
Property taxes paid ..... farms, 2017	114	613	138	187	1,074	301
2012	109	723	144	178	1,286	317
\$1,000, 2017	329	2,124	313	627	8,944	1,246
2012	259	2,072	363	527	7,069	862

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Roscommon	Saginaw	St. Clair	St. Joseph	Sanilac	Schoolcraft
Total farm production expenses .....farms, 2017	48	1,250	1,077	896	1,315	62
2012	58	1,318	1,049	967	1,467	65
\$1,000, 2017	1,181	148,461	66,381	200,239	287,131	2,549
2012	806	156,050	74,112	192,982	304,400	2,310
Average per farm .....dollars, 2017	24,600	118,768	61,635	223,481	218,351	41,115
2012	13,896	118,399	70,650	199,568	207,498	35,544
Fertilizer, lime, and soil conditioners purchased .....farms, 2017	16	772	583	556	876	32
2012	12	795	543	568	900	30
\$1,000, 2017	30	26,589	9,210	22,825	30,917	(D)
2012	23	34,144	13,469	28,918	45,394	91
Chemicals purchased .....farms, 2017	7	737	550	447	801	30
2012	15	809	552	505	875	29
\$1,000, 2017	4	15,349	5,515	14,152	16,949	90
2012	5	13,398	4,739	16,888	17,136	42
Seeds, plants, vines, and trees purchased .....farms, 2017	20	685	563	410	819	20
2012	13	770	572	489	921	30
\$1,000, 2017	15	23,461	9,902	15,511	24,800	83
2012	27	22,056	10,601	13,021	27,400	192
Cover crop seed purchased (see text) .....farms, 2017	1	103	71	124	177	6
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	(D)	189	207	681	512	5
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased .....farms, 2017	19	175	228	237	356	15
2012	10	167	203	264	327	19
\$1,000, 2017	123	3,826	1,189	8,747	18,027	445
2012	26	1,779	1,375	6,351	10,626	45
Breeding livestock purchased or leased .....farms, 2017	13	46	80	72	158	8
2012	7	51	78	78	172	12
\$1,000, 2017	34	159	247	940	5,556	200
2012	(D)	154	333	1,426	4,651	36
Other livestock and poultry purchased or leased .....farms, 2017	15	152	183	196	265	9
2012	3	125	143	225	215	7
\$1,000, 2017	89	3,667	942	7,807	12,471	246
2012	(D)	1,625	1,042	4,925	5,975	9
Feed purchased .....farms, 2017	34	316	494	476	570	40
2012	40	298	497	491	597	33
\$1,000, 2017	272	5,498	2,854	23,052	57,403	309
2012	112	7,336	3,955	19,463	55,921	297
Gasoline, fuels, and oils purchased .....farms, 2017	48	1,128	1,061	836	1,262	62
2012	58	1,256	1,028	902	1,411	63
\$1,000, 2017	101	7,262	4,177	9,724	13,987	89
2012	123	10,859	5,348	10,444	20,894	135
Utilities .....farms, 2017	39	889	761	586	1,017	45
2012	37	894	703	564	1,074	46
\$1,000, 2017	70	3,126	1,618	7,074	6,109	51
2012	38	2,976	1,679	5,845	6,451	88
Repairs, supplies, and maintenance costs .....farms, 2017	39	1,032	960	726	1,152	57
2012	46	1,111	893	724	1,234	52
\$1,000, 2017	158	11,093	6,677	15,226	22,958	276
2012	110	13,027	6,887	13,587	24,019	173
Hired farm labor .....farms, 2017	10	299	203	243	441	9
2012	10	374	254	213	455	15
\$1,000, 2017	17	10,999	5,602	21,508	22,816	288
2012	(D)	8,812	4,833	13,289	22,176	386
Contract labor .....farms, 2017	-	53	57	112	94	4
2012	5	74	69	78	107	5
\$1,000, 2017	-	465	264	1,620	1,631	(D)
2012	30	653	514	1,435	1,716	(D)
Customwork and custom hauling .....farms, 2017	9	185	214	307	453	1
2012	1	240	201	309	444	6
\$1,000, 2017	8	1,671	1,160	5,009	7,324	(D)
2012	(D)	1,627	1,545	10,501	7,000	(D)
Cash rent for land, buildings, and grazing fees .....farms, 2017	5	354	321	267	532	12
2012	8	375	353	300	580	11
\$1,000, 2017	31	14,842	5,348	23,043	20,268	162
2012	(D)	18,239	5,620	20,311	24,426	(D)
Rent and lease expenses for machinery, equipment, and farm share of vehicles .....farms, 2017	-	129	68	93	142	2
2012	2	98	49	95	149	4
\$1,000, 2017	-	1,233	586	3,109	2,037	(D)
2012	(D)	964	1,089	1,881	2,965	(D)
Interest expense .....farms, 2017	23	463	337	401	652	18
2012	14	614	348	448	763	22
\$1,000, 2017	54	7,435	3,675	9,182	15,720	51
2012	102	7,137	4,294	9,208	15,287	144
Secured by real estate .....farms, 2017	17	382	273	309	545	10
2012	13	512	284	369	620	20
\$1,000, 2017	49	5,800	2,576	6,551	11,573	26
2012	(D)	5,213	3,092	5,975	10,854	(D)
Not secured by real estate .....farms, 2017	12	292	206	262	408	17
2012	1	301	210	253	492	8
\$1,000, 2017	5	1,635	1,099	2,631	4,147	24
2012	(D)	1,924	1,202	3,232	4,432	(D)
Property taxes paid .....farms, 2017	46	1,173	1,037	850	1,267	60
2012	57	1,275	1,016	923	1,415	62
\$1,000, 2017	164	7,274	4,772	5,560	7,497	334
2012	136	5,983	3,948	6,109	7,350	111

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Total farm production expenses ..... farms, 2017	972	1,241	953	1,245	248	304
2012	1,033	1,322	1,113	1,236	287	357
\$1,000, 2017	85,946	197,990	177,947	94,317	23,547	15,896
2012	101,056	191,800	162,152	91,257	27,405	10,965
Average per farm ..... dollars, 2017	88,422	159,541	186,723	75,755	94,948	52,288
2012	97,827	145,083	145,689	73,833	95,489	30,714
Fertilizer, lime, and soil conditioners purchased ..... farms, 2017	524	772	566	606	139	135
2012	560	743	631	586	155	140
\$1,000, 2017	9,769	22,309	15,306	12,118	955	955
2012	18,705	33,514	15,095	11,984	1,120	675
Chemicals purchased ..... farms, 2017	488	668	510	528	82	85
2012	581	703	634	586	135	131
\$1,000, 2017	5,066	12,683	11,946	5,578	521	360
2012	6,086	13,296	11,043	5,573	475	377
Seeds, plants, vines, and trees purchased ..... farms, 2017	469	681	292	570	118	96
2012	570	706	437	601	152	119
\$1,000, 2017	10,708	19,614	12,956	10,398	2,878	749
2012	11,950	19,394	9,835	9,833	5,336	522
Cover crop seed purchased (see text) ..... farms, 2017	78	173	66	76	18	41
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	99	625	470	191	3	25
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Livestock and poultry purchased or leased ..... farms, 2017	236	247	159	372	56	80
2012	241	269	190	303	53	74
\$1,000, 2017	1,021	9,752	2,759	4,804	307	702
2012	1,255	6,756	1,915	4,201	203	483
Breeding livestock purchased or leased ..... farms, 2017	93	105	62	136	14	27
2012	83	91	84	102	10	35
\$1,000, 2017	294	2,093	200	339	57	432
2012	638	1,641	341	402	13	244
Other livestock and poultry purchased or leased ..... farms, 2017	175	171	121	323	49	64
2012	184	219	126	227	51	52
\$1,000, 2017	727	7,660	2,559	4,464	250	270
2012	617	5,115	1,574	3,799	189	239
Feed purchased ..... farms, 2017	449	461	348	686	112	160
2012	446	512	386	695	124	185
\$1,000, 2017	10,122	22,788	18,277	4,755	1,405	2,659
2012	11,369	17,269	17,533	8,170	1,171	1,867
Gasoline, fuels, and oils purchased ..... farms, 2017	922	1,149	914	1,212	219	287
2012	995	1,262	1,048	1,192	272	336
\$1,000, 2017	4,974	9,539	6,941	4,903	1,366	1,070
2012	7,059	12,248	11,803	6,262	1,882	1,043
Utilities ..... farms, 2017	663	915	667	838	183	171
2012	702	879	686	805	189	190
\$1,000, 2017	2,542	3,817	4,755	2,667	1,930	702
2012	2,269	3,745	4,038	2,144	935	374
Repairs, supplies, and maintenance costs ..... farms, 2017	816	1,036	772	1,107	214	232
2012	864	1,076	903	1,041	234	264
\$1,000, 2017	8,856	16,026	11,991	7,934	2,181	1,212
2012	10,175	14,988	10,059	6,508	1,561	927
Hired farm labor ..... farms, 2017	198	340	346	306	93	55
2012	212	338	418	310	87	73
\$1,000, 2017	7,986	17,955	44,233	9,769	7,258	3,022
2012	6,671	11,457	32,899	9,575	9,328	1,574
Contract labor ..... farms, 2017	22	88	148	70	26	14
2012	69	66	183	84	24	19
\$1,000, 2017	232	1,366	6,472	639	200	154
2012	502	967	3,973	787	220	243
Customwork and custom hauling ..... farms, 2017	175	302	136	247	19	41
2012	197	247	202	184	24	41
\$1,000, 2017	753	4,715	2,983	1,288	116	241
2012	969	3,080	3,206	1,087	140	126
Cash rent for land, buildings, and grazing fees ..... farms, 2017	251	411	165	312	43	39
2012	295	423	205	344	69	52
\$1,000, 2017	6,018	23,073	10,805	7,472	304	797
2012	7,019	25,038	16,607	6,194	548	527
Rent and lease expenses for machinery, equipment, and farm share of vehicles ..... farms, 2017	73	180	84	100	18	18
2012	65	179	112	73	14	22
\$1,000, 2017	710	3,256	2,608	868	226	208
2012	743	2,718	2,833	618	65	35
Interest expense ..... farms, 2017	335	554	312	448	55	67
2012	430	529	353	450	82	89
\$1,000, 2017	5,582	9,442	6,150	6,152	446	605
2012	5,472	7,867	6,880	4,556	980	562
Secured by real estate ..... farms, 2017	256	437	252	375	44	60
2012	334	412	288	340	72	67
\$1,000, 2017	4,297	6,491	4,571	4,516	387	331
2012	3,757	5,499	4,219	3,482	860	452
Not secured by real estate ..... farms, 2017	210	338	163	273	28	47
2012	258	324	189	261	35	56
\$1,000, 2017	1,285	2,951	1,579	1,636	59	274
2012	1,715	2,369	2,662	1,073	120	110
Property taxes paid ..... farms, 2017	916	1,175	932	1,178	215	301
2012	991	1,261	1,069	1,174	256	357
\$1,000, 2017	4,693	7,678	5,650	7,883	1,138	969
2012	4,220	6,472	4,469	6,580	1,208	974

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Michigan	Alcona	Alger	Allegan	Alpena	Antrim
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	16,114	78	52	492	154	91
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	101,203	172	205	10,441	319	154
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	20,261	72	51	548	143	149
2012 <sup>1</sup>	27,265	105	46	770	224	187
\$1,000, 2017	544,913	864	172	48,832	1,231	2,211
2012 <sup>1</sup>	588,760	691	181	57,246	1,278	1,476
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	648	-	3	16	1	1
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	11,510	-	1	151	(D)	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	20,933	96	43	513	162	143
2012	25,205	107	35	670	217	148
\$1,000, 2017	743,296	2,380	644	43,699	2,574	3,635
2012	697,008	1,404	268	30,467	2,772	2,903
Item	Arenac	Baraga	Barry	Bay	Benzie	Berrien
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	58	28	376	95	50	199
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	476	24	4,331	322	30	352
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	153	24	375	320	97	400
2012 <sup>1</sup>	157	33	484	397	95	598
\$1,000, 2017	2,455	93	6,778	6,102	788	16,419
2012 <sup>1</sup>	2,168	65	8,080	5,930	628	12,977
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	1	-	8	5	-	12
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	(D)	-	60	41	-	246
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	159	25	390	385	91	396
2012	178	22	459	431	89	547
\$1,000, 2017	5,333	579	12,645	14,842	1,022	11,522
2012	4,811	212	12,518	16,334	1,027	12,262
Item	Branch	Calhoun	Cass	Charlevoix	Cheboygan	Chippewa
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	288	355	234	94	114	159
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	1,284	1,791	2,092	140	140	428
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	340	360	342	57	93	131
2012 <sup>1</sup>	546	544	421	153	147	205
\$1,000, 2017	5,922	6,583	8,233	517	1,067	611
2012 <sup>1</sup>	7,212	8,261	7,277	590	2,028	622
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	10	22	25	2	1	2
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	531	707	214	(D)	(D)	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	352	450	328	81	86	150
2012	538	536	407	87	110	205
\$1,000, 2017	14,063	10,160	12,171	949	955	2,005
2012	14,201	11,661	14,056	1,117	1,026	1,548

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Clare	Clinton	Crawford	Delta	Dickinson	Eaton
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) ..... farms, 2017	192	375	37	90	47	296
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	527	4,124	21	111	102	492
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) ..... farms, 2017	120	451	11	106	63	370
2012 <sup>1</sup>	238	598	34	155	80	630
\$1,000, 2017	798	16,488	32	592	242	3,887
2012 <sup>1</sup>	1,026	14,044	57	727	377	5,457
Production expenses paid by landlords <sup>2</sup> ..... farms, 2017	7	11	-	-	-	11
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	17	132	-	-	-	103
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed ..... farms, 2017	150	477	9	112	64	478
2012	174	621	13	142	83	565
\$1,000, 2017	2,085	23,087	72	1,259	769	9,951
2012	1,924	17,394	(D)	1,218	1,145	10,851
Item	Emmet	Genesee	Gladwin	Gogebic	Grand Traverse	Gratiot
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) ..... farms, 2017	109	281	169	26	135	190
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	165	450	244	26	197	3,999
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) ..... farms, 2017	114	308	148	21	195	391
2012 <sup>1</sup>	152	458	261	28	247	475
\$1,000, 2017	648	9,049	887	75	1,856	17,380
2012 <sup>1</sup>	419	9,733	1,104	(D)	3,245	18,720
Production expenses paid by landlords <sup>2</sup> ..... farms, 2017	-	11	4	-	9	26
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	-	518	4	-	735	589
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed ..... farms, 2017	113	338	156	20	215	424
2012	133	382	200	28	264	484
\$1,000, 2017	1,388	6,807	2,202	164	3,700	20,087
2012	1,131	8,105	2,149	117	3,102	21,996
Item	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) ..... farms, 2017	382	65	343	386	427	95
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	2,350	58	7,992	1,623	4,505	389
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) ..... farms, 2017	474	63	694	369	432	91
2012 <sup>1</sup>	684	73	699	564	668	123
\$1,000, 2017	9,508	310	25,253	5,530	57,256	956
2012 <sup>1</sup>	8,826	261	29,718	7,328	60,990	1,197
Production expenses paid by landlords <sup>2</sup> ..... farms, 2017	24	1	27	14	11	2
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	409	(D)	1,137	191	140	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed ..... farms, 2017	543	73	719	354	469	92
2012	676	60	790	459	638	108
\$1,000, 2017	16,677	785	44,602	12,860	23,776	2,374
2012	14,218	261	54,468	11,044	26,740	1,906

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	63	354	390	254	56	400
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	51	1,718	950	3,529	64	2,241
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	48	416	368	316	78	472
2012 <sup>1</sup>	56	506	603	444	80	631
\$1,000, 2017	382	4,357	4,437	26,587	320	19,744
2012 <sup>1</sup>	279	7,568	5,852	28,249	402	25,574
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	1	8	8	3	6	13
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	(D)	31	203	30	2	305
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	49	430	373	312	87	471
2012	40	463	509	400	73	557
\$1,000, 2017	509	13,491	8,440	18,097	1,203	18,930
2012	391	9,808	7,517	18,721	1,057	15,408
Item	Keweenaw	Lake	Lapeer	Leelanau	Lenawee	Livingston
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	3	61	421	102	325	318
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	2	95	1,070	240	2,388	880
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	3	55	390	232	600	282
2012 <sup>1</sup>	4	98	597	284	702	408
\$1,000, 2017	4	360	4,682	3,023	15,153	3,293
2012 <sup>1</sup>	(D)	436	6,766	2,750	12,028	4,087
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	-	-	8	3	29	8
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	-	-	29	(D)	665	31
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	3	46	390	259	605	288
2012	2	87	480	282	749	313
\$1,000, 2017	16	614	10,798	6,916	28,431	4,026
2012	(D)	1,115	11,120	3,540	21,277	6,399
Item	Luce	Mackinac	Macomb	Manistee	Marquette	Mason
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	35	37	120	82	54	157
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	22	162	576	57	74	835
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	15	37	206	104	65	204
2012 <sup>1</sup>	22	61	284	111	86	226
\$1,000, 2017	(D)	204	3,381	599	266	4,147
2012 <sup>1</sup>	135	275	4,511	581	309	3,234
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	-	-	15	3	-	6
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	-	-	52	11	-	111
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	25	41	191	115	46	213
2012	20	37	248	123	68	210
\$1,000, 2017	542	479	5,540	1,207	725	4,785
2012	263	299	5,719	1,083	528	5,093

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) ..... farms, 2017	261	143	185	176	263	380
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	5,211	1,016	518	3,254	440	1,346
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) ..... farms, 2017	237	147	210	175	531	400
2012 <sup>1</sup>	364	201	259	228	577	535
\$1,000, 2017	6,059	1,405	2,895	7,934	18,516	10,867
2012 <sup>1</sup>	4,618	4,213	4,571	6,599	13,776	9,248
Production expenses paid by landlords <sup>2</sup> ..... farms, 2017	6	6	6	8	36	22
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	29	33	30	43	629	616
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed ..... farms, 2017	274	126	195	140	553	390
2012	367	180	231	201	605	482
\$1,000, 2017	9,415	3,127	3,877	10,432	15,187	20,832
2012	8,234	3,013	4,803	7,519	16,079	17,422
Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) ..... farms, 2017	54	193	298	193	132	126
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	256	517	2,436	489	1,249	1,096
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) ..... farms, 2017	51	197	285	191	259	135
2012 <sup>1</sup>	74	299	501	321	318	151
\$1,000, 2017	417	6,769	5,866	1,750	6,596	2,763
2012 <sup>1</sup>	444	7,552	6,835	2,242	5,580	2,897
Production expenses paid by landlords <sup>2</sup> ..... farms, 2017	3	3	3	2	5	1
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	38	(D)	(D)	(D)	110	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed ..... farms, 2017	72	179	349	141	267	120
2012	71	218	399	181	294	126
\$1,000, 2017	1,079	6,533	10,563	3,003	16,158	5,501
2012	872	5,189	8,451	2,530	11,607	3,249
Item	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) ..... farms, 2017	42	246	66	60	474	91
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	45	962	139	69	5,176	137
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) ..... farms, 2017	41	205	44	65	561	127
2012 <sup>1</sup>	52	346	75	89	815	158
\$1,000, 2017	196	2,410	201	443	37,711	814
2012 <sup>1</sup>	82	4,823	200	276	48,420	836
Production expenses paid by landlords <sup>2</sup> ..... farms, 2017	-	8	-	-	14	10
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	-	21	-	-	219	45
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed ..... farms, 2017	53	250	33	70	550	113
2012	31	324	61	81	752	146
\$1,000, 2017	756	4,192	656	1,075	43,005	2,204
2012	276	3,941	607	988	30,287	1,783

See footnote(s) at end of table.

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**Table 3. Farm Production Expenses: 2017 and 2012 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Roscommon	Saginaw	St. Clair	St. Joseph	Sanilac	Schoolcraft
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	26	203	362	319	466	31
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	25	589	455	891	5,092	60
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	24	589	408	409	761	39
2012 <sup>1</sup>	20	676	508	517	864	32
\$1,000, 2017	110	7,748	3,376	14,006	13,598	(D)
2012 <sup>1</sup>	41	7,060	4,216	15,732	15,638	202
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	-	23	10	6	34	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	-	208	345	18	356	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	19	600	442	443	804	17
2012	15	728	478	480	872	27
\$1,000, 2017	194	15,733	10,509	18,858	37,007	104
2012	126	21,227	10,445	18,191	36,909	253
Item	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Total farm production expenses - Con.						
Medical supplies, veterinary, and custom services for livestock (see text) .....farms, 2017	315	312	226	495	81	101
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	1,127	1,460	755	1,049	144	176
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
All other production expenses (see text) .....farms, 2017	414	593	407	591	122	76
2012 <sup>1</sup>	555	688	548	710	145	157
\$1,000, 2017	5,787	12,519	13,359	6,037	2,174	1,315
2012 <sup>1</sup>	6,593	12,991	9,963	7,186	2,233	658
Production expenses paid by landlords <sup>2</sup> .....farms, 2017	17	17	6	22	1	1
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 2017	137	265	6	580	(D)	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Depreciation expenses claimed .....farms, 2017	407	623	394	540	72	97
2012	563	675	507	606	103	134
\$1,000, 2017	11,800	23,917	15,097	12,020	2,572	1,318
2012	12,733	24,673	18,659	8,637	1,393	1,123

<sup>1</sup> Data for 2012 include expenses for medical supplies, veterinary, and custom services for animals.

<sup>2</sup> Landlord production expenses are included within total farm production expenses.