

County Table 7.—USE OF FERTILIZER AND LIME ON FARMS AND FARM EXPENDITURES: CENSUSES OF 1959 AND 1954.

[Data are based on reports for only a sample of farms. See text.]

Item (For definitions and explanations, see text)	The State	Alcona	Alger	Allegan	Alpena	Antrim	Arenac	Baraga	Barry
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>									
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	86,393	221	71	2,665	620	472	636	81	1,322
2 1954.....	98,759	242	108	3,036	606	615	737	76	1,375
3 acres on which used 1959.....	4,723,467	7,385	2,046	109,872	16,550	16,930	25,620	876	67,654
4 1954.....	4,529,286	4,510	3,554	116,950	13,775	18,494	23,963	1,100	58,725
5 tons 1959.....	617,461	939	258	15,114	2,271	2,740	3,411	117	8,646
6 1954.....	567,719	522	486	17,420	1,772	3,096	2,990	173	6,623
7 Dry materials..... farms reporting 1959.....	85,757	221	71	2,635	615	472	636	81	1,312
8 1954.....	600,183	939	258	14,732	2,269	2,740	3,411	117	8,458
9 tons 1959.....	5,024	...	...	166	...	...	...	...	90
10 1954.....	17,278	...	...	382	2	...	...	...	188
<b>Crops on which used—</b>									
11 Hay and cropland pasture..... farms reporting 1959.....	12,257	60	25	290	120	57	90	41	211
12 1954.....	17,691	55	30	445	75	137	130	10	220
13 acres 1959.....	275,241	2,170	785	6,205	3,055	1,285	2,110	415	4,000
14 1954.....	337,196	780	990	6,010	920	2,155	2,520	160	4,015
15 Dry materials..... farms reporting 1959.....	12,192	60	25	290	120	57	90	41	211
16 1954.....	35,516	347	73	729	429	200	266	45	662
17 tons 1959.....	110	...	...	...	...	...	...	...	...
18 1954.....	145	...	...	...	...	...	...	...	...
19 Other pasture (not cropland)..... farms reporting 1959.....	1,498	20	...	45	25	20	15	5	30
20 1954.....	1,769	10	1	45	25	30	1	5	65
21 acres 1959.....	22,976	420	...	370	285	200	440	60	330
22 1954.....	23,450	100	40	540	...	515	385	25	915
23 Dry materials..... farms reporting 1959.....	1,488	20	...	45	25	20	15	5	30
24 1954.....	2,739	45	...	43	30	36	28	10	44
25 tons 1959.....	15	...	...	...	...	...	...	...	...
26 1954.....	17	...	...	...	...	...	...	...	...
27 Corn..... farms reporting 1959.....	61,585	65	5	2,059	120	296	445	1	1,042
28 1954.....	70,227	30	...	2,366	170	453	520	...	920
29 acres 1959.....	1,737,419	755	60	50,298	1,235	4,680	8,320	2	32,543
30 1954.....	1,556,183	330	...	46,450	1,425	5,045	6,995	...	21,110
31 Dry materials..... farms reporting 1959.....	60,924	65	5	2,019	120	296	445	1	1,022
32 1954.....	197,530	63	5	5,441	143	555	979	(2)	3,418
33 tons 1959.....	3,469	...	...	135	...	...	...	...	85
34 1954.....	9,057	...	...	208	...	...	...	...	183
35 Wheat..... farms reporting 1959.....	55,893	135	5	1,468	395	83	385	...	920
36 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	992,335	1,650	5	19,160	4,530	753	4,905	...	17,085
38 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	55,317	135	5	1,438	395	83	385	...	920
40 1954.....	130,252	196	1	2,487	660	125	620	...	2,129
41 tons 1959.....	1,529	...	...	50	...	...	...	...	5
42 1954.....	2,567	...	...	54	...	...	...	...	5
43 Sugar beets..... farms reporting 1959.....	3,262	...	...	...	...	...	45	...	...
44 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	75,241	...	...	...	...	...	1,130	...	...
46 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	3,182	...	...	...	...	...	45	...	...
48 1954.....	21,060	...	...	...	...	...	305	...	...
49 tons 1959.....	742	...	...	...	...	...	...	...	...
50 1954.....	1,693	...	...	...	...	...	...	...	...
51 All other crops..... farms reporting 1959.....	57,190	126	56	1,559	415	375	371	41	592
52 1954.....	1,620,255	2,390	1,196	33,839	7,445	10,012	8,715	399	13,696
53 acres 1959.....	56,697	126	56	1,529	410	375	371	41	592
54 1954.....	213,086	288	179	6,032	1,007	1,824	1,213	62	2,205
55 tons 1959.....	968	...	...	46	5	...	...	...	...
56 1954.....	3,799	...	...	120	2	...	...	...	...
57 Lime or liming materials used during the year..... farms reporting 1959.....	9,029	20	15	340	10	47	20	11	226
58 1954.....	13,653	60	26	605	15	81	30	50	285
59 acres limed 1959.....	165,242	145	180	4,745	160	915	415	180	3,056
60 1954.....	225,014	355	355	9,650	160	1,520	525	690	4,790
61 tons 1959.....	390,155	505	315	9,610	420	1,495	885	585	8,287
62 1954.....	440,229	1,645	348	20,030	140	2,069	980	1,350	9,410
<b>SPECIFIED FARM EXPENDITURES</b>									
63 Any of the following specified expenditures..... farms reporting 1959.....	111,260	587	191	3,436	840	677	782	262	1,792
64 1954.....	77,487	387	176	2,503	530	463	546	247	1,432
65 dollars 1959.....	103,287	583	273	3,370	675	639	795	357	1,661
66 1954.....	72,431,429	140,990	200,790	3,947,140	238,785	336,075	344,905	121,625	1,507,898
67 Purchase of livestock and poultry..... farms reporting 1959.....	68,302,581	136,400	203,000	4,946,360	173,705	298,691	218,570	197,365	1,027,125
68 1954.....	45,022	210	71	1,643	375	241	345	61	852
69 dollars 1959.....	47,820,620	108,770	32,853	1,275,100	158,995	96,690	390,025	27,580	1,078,898
70 Machine hire..... farms reporting 1959.....	61,052	240	81	1,748	495	396	496	115	996
71 1954.....	85,280	446	183	2,520	706	572	792	191	1,370
72 dollars 1959.....	13,953,909	35,620	13,436	316,325	116,161	88,300	83,170	7,135	187,400
73 1954.....	15,282,099	66,005	20,475	456,455	114,465	79,785	118,949	16,630	238,105
74 Under \$200..... farms reporting 1959.....	38,506	185	51	1,216	360	296	371	115	635
75 \$200 to \$999..... farms reporting 1959.....	21,260	55	30	511	125	90	115	...	361
76 \$1,000 or more..... farms reporting 1959.....	1,286	...	...	21	10	10	...	...	...
77 1954.....	48,363	171	110	1,481	335	380	326	91	752
78 dollars 1959.....	56,097	252	133	1,716	390	350	422	142	795
79 1954.....	51,118,112	52,880	181,785	1,936,719	152,965	429,635	108,420	39,115	518,274
80 acres 1959.....	40,660,370	92,250	128,233	1,527,385	106,950	143,757	184,645	42,305	232,980
81 1954.....	38,266	166	90	1,130	315	270	300	80	640
82 Under \$1,000..... farms reporting 1959.....	46,860	231	106	1,400	355	316	395	135	745
83 1954.....	5,270	...	15	160	...	70	...	...	...
84 \$1,000 to \$2,499..... farms reporting 1959.....	5,724	20	11	190	35	22	20	5	70
85 1954.....	4,827	5	5	191	20	40	6	35	42
86 \$2,500 or more..... farms reporting 1959.....	3,513	1	16	146	...	12	17	1	15
87 1954.....	2,556	5	...	66	...	21	5	6	20
88 \$3,500 to \$4,999..... farms reporting 1959.....	2,271	...	5	125	10	19	1	...	22
89 1954.....	2,271	...	...	...	...	...	...	...	...
89 Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....	110,038	587	186	3,395	840	667	762	257	1,762
90 1954.....	119,361	609	228	3,456	885	715	982	398	1,796
91 dollars 1959.....	39,959,267	142,990	49,420	1,062,070	264,520	226,810	237,645	42,885	544,962
92 1954.....	36,603,329	144,590	71,620	1,058,650	265,260	176,768	295,440	61,095	506,270
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	62,459	147	110	1,769	360	395	421	101	927
94 1954.....	13,520,946	11,443	8,750	275,325	45,685	62,481	42,135	8,330	155,476

NA Not available.  
Z Reported in small fractions.

STATISTICS FOR COUNTIES

County Table 7.—USE OF FERTILIZER AND LIME ON FARMS AND

[Data are based on reports for only]

Item (For definitions and explanations, see text)	Bay	Benzie	Berrien	Branch	Calhoun	Cass	Charlevoix	Cheboygan	Chippewa
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>									
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	1,651	152	3,188	1,567	1,693	1,285	326	185	273
2..... farms reporting 1954.....	1,910	221	3,788	1,720	1,937	1,314	408	305	267
3 acres on which used 1959.....	96,579	4,014	115,667	102,526	106,959	82,433	9,415	4,390	7,267
4..... farms reporting 1954.....	91,325	6,443	124,831	103,150	101,989	74,345	11,323	6,999	8,373
5 tons 1959.....	18,343	573	20,729	11,800	12,841	10,541	1,183	729	644
6..... farms reporting 1954.....	14,166	998	21,931	11,222	12,325	9,047	1,673	840	793
7 Dry materials..... farms reporting 1959.....	1,641	152	3,172	1,562	1,673	1,270	326	185	273
8..... farms reporting 1954.....	17,453	573	20,393	11,650	12,676	10,001	1,183	729	643
9 Liquid materials..... farms reporting 1959.....	120	...	167	71	49	166	...	...	5
10..... farms reporting 1954.....	890	...	336	150	165	540	...	...	1
<b>Crops on which used—</b>									
11 Hay and cropland pasture..... farms reporting 1959.....	246	35	285	160	233	152	86	48	60
12..... farms reporting 1954.....	460	50	482	295	324	252	125	76	50
13 acres 1959.....	5,675	465	4,390	3,100	6,180	3,773	2,025	795	1,480
14..... farms reporting 1954.....	8,590	665	7,521	6,235	6,284	5,771	2,595	1,500	1,220
15 Dry materials..... farms reporting 1959.....	246	35	285	160	233	142	86	48	60
16..... farms reporting 1954.....	778	50	700	516	783	480	245	140	126
17 Liquid materials..... farms reporting 1959.....	10	...	...	...	...	10	...	...	...
18..... farms reporting 1954.....	40	...	50	25	5	13	...	...	5
19 Other pasture (not cropland)..... farms reporting 1959.....	40	...	50	25	5	13	...	...	5
20..... farms reporting 1954.....	20	...	112	40	36	21	15	20	...
21 acres 1959.....	445	...	410	500	100	700	240	...	100
22..... farms reporting 1954.....	150	...	842	420	1,400	235	200	500	...
23 Dry materials..... farms reporting 1959.....	40	...	50	25	5	21	15	...	5
24..... farms reporting 1954.....	36	...	63	43	20	75	25	...	13
25 Liquid materials..... farms reporting 1959.....	...	...	...	...	...	...	...	...	...
26..... farms reporting 1954.....	...	...	...	...	...	...	...	...	...
27 Corn..... farms reporting 1959.....	926	45	1,566	1,502	1,457	1,124	200	82	...
28..... farms reporting 1954.....	1,225	85	2,113	1,605	1,631	999	251	133	...
29 acres 1959.....	15,230	395	35,215	62,989	55,624	46,374	2,705	922	...
30..... farms reporting 1954.....	16,530	920	37,420	52,470	46,114	30,735	2,085	988	...
31 Dry materials..... farms reporting 1959.....	926	45	1,561	1,492	1,442	1,104	200	82	...
32..... farms reporting 1954.....	2,187	46	5,023	7,061	6,147	5,301	292	192	...
33 Liquid materials..... farms reporting 1959.....	20	...	80	70	28	146	...	...	...
34..... farms reporting 1954.....	...	...	106	135	105	408	...	...	...
35 Wheat..... farms reporting 1959.....	1,301	10	1,086	1,132	1,176	693	80	67	52
36..... farms reporting 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	19,445	55	16,572	23,362	26,720	15,057	855	764	351
38..... farms reporting 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	1,291	10	1,076	1,131	1,166	683	80	67	52
40..... farms reporting 1954.....	2,924	6	2,146	2,706	3,436	1,722	107	94	48
41 Liquid materials..... farms reporting 1959.....	15	...	25	1	32	25	...	...	...
42..... farms reporting 1954.....	59	...	25	5	46	81	...	...	...
43 Sugar beets..... farms reporting 1959.....	601	...	...	...	...	...	...	...	...
44..... farms reporting 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	11,844	...	...	...	...	...	...	...	...
46..... farms reporting 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	591	...	...	...	...	...	...	...	...
48..... farms reporting 1954.....	3,707	...	...	...	...	...	...	...	...
49 Liquid materials..... farms reporting 1959.....	95	...	...	...	...	...	...	...	...
50..... farms reporting 1954.....	350	...	...	...	...	...	...	...	...
51 All other crops..... farms reporting 1959.....	1,276	2,528	641	764	549	220	113	198	...
52..... farms reporting 1954.....	43,940	3,099	59,080	12,555	18,335	16,529	3,590	1,909	5,356
53 Dry materials..... farms reporting 1959.....	1,256	127	2,512	636	759	544	220	113	198
54..... farms reporting 1954.....	7,821	471	12,461	1,324	2,290	2,423	514	303	456
55 Liquid materials..... farms reporting 1959.....	45	...	72	5	10	...	...	...	1
56..... farms reporting 1954.....	451	...	205	10	14	38	...	...	...
57 Lime or liming materials used during the year..... farms reporting 1959.....	...	10	629	251	334	302	20	5	46
58..... farms reporting 1954.....	15	35	792	300	557	466	25	31	5
59 acres limed 1959.....	...	325	9,780	5,180	6,781	5,852	205	60	963
60..... farms reporting 1954.....	95	475	11,071	5,240	11,365	8,665	175	305	20
61 tons 1959.....	...	490	19,730	16,680	24,962	19,735	485	90	1,535
62..... farms reporting 1954.....	165	1,230	22,108	13,525	18,165	27,650	200	575	10
<b>SPECIFIED FARM EXPENDITURES</b>									
63 Any of the following specified expenditures..... farms reporting 1959.....	1,971	297	3,825	1,947	2,133	1,611	512	476	664
64 Feed for livestock and poultry..... farms reporting 1959.....	976	140	1,691	1,512	1,546	1,165	407	434	509
65..... farms reporting 1954.....	1,390	360	2,638	1,816	2,035	1,629	584	534	667
66 dollars 1959.....	823,211	168,350	1,360,665	1,919,460	1,514,708	1,283,760	223,515	187,130	259,204
67..... farms reporting 1954.....	677,895	99,870	1,402,210	1,817,820	1,535,572	1,186,520	297,377	143,928	216,444
68 Purchase of livestock and poultry..... farms reporting 1959.....	571	100	1,086	892	941	769	206	203	253
69..... farms reporting 1954.....	750,546	34,080	525,960	1,108,345	1,411,588	679,195	143,480	123,140	99,912
70 Machine hire..... farms reporting 1959.....	1,191	111	1,808	1,081	1,166	871	206	195	225
71..... farms reporting 1954.....	1,675	160	2,402	1,431	1,705	1,142	306	471	561
72 dollars 1959.....	332,344	18,275	539,880	259,990	305,778	169,810	23,685	31,505	22,655
73..... farms reporting 1954.....	425,200	22,435	359,795	305,550	316,811	220,070	34,650	62,460	76,013
74 Under \$200..... farms reporting 1959.....	610	76	1,321	641	651	586	171	130	190
75 \$200 to \$999..... farms reporting 1959.....	535	35	420	395	481	280	35	65	35
76 \$1,000 or more..... farms reporting 1959.....	46	...	67	45	34	5	...	...	...
77 Hired labor..... farms reporting 1959.....	951	142	2,550	852	903	676	201	164	191
78..... farms reporting 1954.....	1,025	176	2,907	996	1,042	779	232	220	386
79 dollars 1959.....	798,179	295,620	5,670,960	546,755	879,001	703,435	138,725	153,455	58,710
80..... farms reporting 1954.....	517,780	131,420	3,925,245	627,455	821,258	635,955	127,910	105,435	139,905
81 Under \$1,000..... farms reporting 1959.....	725	65	1,570	740	711	552	176	141	176
82..... farms reporting 1954.....	900	135	1,905	875	905	625	211	210	351
83 \$1,000 to \$2,499..... farms reporting 1959.....	155	45	406	56	115	45	15	11	10
84..... farms reporting 1954.....	85	25	540	91	70	95	10	6	25
85 \$2,500 or more..... farms reporting 1959.....	71	32	574	56	77	59	10	12	5
86..... farms reporting 1954.....	40	16	462	30	67	59	11	4	10
87 \$2,500 to \$4,999..... farms reporting 1959.....	40	20	265	15	51	40	5	2	5
88 \$5,000 or more..... farms reporting 1959.....	31	12	309	41	26	39	5	10	...
89 Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....	1,941	292	3,815	1,922	2,093	1,581	512	476	664
90..... farms reporting 1954.....	2,190	346	4,178	1,921	2,267	1,639	483	540	932
91 dollars 1959.....	817,689	81,360	1,371,990	725,495	786,668	621,460	119,697	106,852	128,850
92..... farms reporting 1954.....	818,385	81,740	1,238,060	659,015	743,985	546,325	115,015	101,246	205,491
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	960	161	2,198	1,346	1,331	953	265	199	196
94..... farms reporting 1954.....	382,460	10,690	699,242	194,543	260,718	191,370	18,900	36,825	17,539

NA Not available.

FARM EXPENDITURES: CENSUSES OF 1959 AND 1954—Continued

a sample of farms. See text.]

Clare	Clinton	Crawford	Delta	Dickinson	Eaton	Emmet	Genesee	Gladwin	Gogetic	Grand Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham	
346	1,958	10	341	105	2,096	258	1,825	526	76	684	2,171	1,986	341	2,784	1,620	1
357	2,217	16	444	218	2,246	448	2,242	601	105	767	2,168	2,205	460	3,253	1,795	2
14,747	138,089	170	11,465	4,370	127,667	8,147	89,800	17,565	955	25,767	170,044	103,651	5,797	245,186	118,059	3
9,616	132,085	575	10,864	4,209	122,513	10,641	87,540	16,455	740	23,190	151,033	103,905	6,015	244,116	111,135	4
1,698	15,699	20	1,762	817	14,216	1,105	10,694	1,977	135	4,541	21,685	11,488	1,361	32,080	15,597	5
1,086	15,490	94	1,502	775	13,108	1,678	10,562	1,788	122	3,090	16,581	11,088	1,029	27,166	13,032	6
346	1,958	10	341	105	2,076	258	1,820	526	76	684	2,166	1,966	341	2,774	1,600	7
1,698	15,383	20	1,762	817	14,081	1,105	10,548	1,966	135	4,107	21,278	11,197	1,361	31,420	15,087	8
...	110	...	...	...	65	...	105	15	...	21	220	130	...	412	86	9
...	316	...	...	...	135	...	146	11	...	434	407	291	...	660	510	10
70	273	...	135	55	226	86	180	30	36	85	310	155	40	721	282	11
32	487	11	105	66	306	80	321	45	30	151	553	400	30	1,057	274	12
880	6,263	...	3,435	1,545	4,095	2,917	3,410	440	550	2,300	6,955	3,135	810	19,845	7,475	13
515	9,075	137	2,135	1,290	5,195	1,540	6,125	845	180	3,395	12,623	7,910	105	22,175	7,500	14
70	273	...	135	55	226	86	180	30	36	85	310	155	40	721	282	15
154	783	...	392	257	477	273	474	45	76	361	874	375	120	2,163	962	16
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
10	40	...	26	25	30	10	15	5	5	15	15	10	5	10	25	19
...	61	...	5	...	40	15	30	1	...	20	5	70	5	10	50	20
90	435	...	593	340	500	80	150	150	100	140	135	150	50	10	580	21
...	860	...	5	...	490	120	570	40	...	210	150	675	50	225	610	22
10	40	...	26	25	30	10	15	5	5	15	15	10	5	5	25	23
17	58	...	94	48	73	15	18	23	10	24	17	18	5	7	51	24
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26
209	1,623	...	96	65	1,771	126	1,195	406	15	312	1,796	1,746	5	2,024	1,323	27
194	1,722	5	166	82	1,871	191	1,587	431	...	407	1,893	1,905	25	2,078	1,545	28
5,802	58,435	...	1,090	750	55,898	1,216	30,015	7,246	105	6,045	52,900	59,170	5	38,078	59,703	29
3,347	48,070	45	1,295	842	50,297	1,520	27,946	7,400	...	6,249	53,443	49,235	55	27,094	50,792	30
209	1,613	...	96	65	1,756	126	1,185	406	15	302	1,791	1,721	5	2,004	1,313	31
553	5,865	...	144	119	5,667	181	3,298	734	18	626	5,939	6,086	1	5,582	7,481	32
...	110	...	...	...	50	...	85	10	...	10	155	231	...	231	70	33
...	208	...	...	...	100	...	107	4	...	7	251	251	...	290	227	34
229	1,723	...	5	...	1,761	50	1,390	366	...	107	1,841	1,451	...	2,524	1,183	35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
3,708	32,734	...	15	...	32,185	470	25,220	5,159	...	1,129	35,409	22,965	...	51,780	25,145	37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38
229	1,723	...	5	...	1,746	50	1,380	366	...	102	1,836	1,441	...	2,509	1,168	39
484	4,077	...	1	...	4,087	48	3,407	652	...	125	4,743	2,750	...	7,672	3,350	40
...	15	...	...	...	25	...	25	5	...	5	65	20	...	146	25	41
...	54	...	...	...	29	...	20	3	...	6	72	27	...	105	95	42
...	15	...	...	...	35	...	10	15	...	...	55	...	...	608	21	43
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44
...	1,055	...	...	...	770	...	310	305	...	620	...	...	...	13,670	975	45
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46
...	15	...	...	...	35	...	10	15	...	...	50	...	...	608	21	47
...	491	...	...	...	176	...	75	90	...	...	176	...	...	4,164	260	46
...	5	...	...	...	...	...	5	...	...	...	10	...	...	191	1	49
...	2	...	...	...	...	...	2	...	...	...	19	...	...	211	30	50
183	1,328	10	247	65	1,286	152	1,200	265	40	579	1,621	1,041	316	2,449	1,039	51
4,267	39,167	170	6,332	1,735	34,219	3,464	30,695	4,265	200	16,153	74,025	18,231	4,932	121,803	24,181	52
183	1,323	10	247	65	1,276	152	1,200	265	40	574	1,611	1,031	316	2,439	1,014	53
490	4,109	20	1,131	393	3,601	588	3,276	422	31	2,971	9,529	1,968	1,235	11,832	2,983	54
...	20	...	...	...	10	...	10	5	...	21	45	10	...	15	30	55
...	52	...	...	...	6	...	4	...	...	421	62	13	...	45	158	56
52	146	...	10	40	151	25	75	15	25	111	10	256	75	10	226	57
115	176	11	20	25	371	41	140	61	50	75	40	320	125	40	253	58
820	2,300	...	50	820	3,709	265	985	290	335	2,670	200	4,360	1,480	85	4,420	59
2,158	2,880	165	145	225	7,700	970	2,840	1,150	495	1,810	1,240	5,465	1,000	440	4,765	60
1,710	6,180	...	100	1,360	6,303	365	2,165	680	720	5,490	450	5,570	2,755	175	10,159	61
3,304	4,556	270	300	470	12,368	830	4,450	1,855	1,265	3,550	850	12,945	2,210	345	7,377	62
597	2,233	35	618	246	2,441	528	2,335	792	196	884	2,418	2,517	666	3,030	1,920	63
487	1,793	20	523	201	1,851	403	1,505	601	166	507	1,527	1,861	490	2,420	1,479	64
584	2,218	25	739	319	2,211	693	2,287	857	370	797	1,898	2,315	841	2,983	1,890	65
471,455	1,874,735	7,500	257,665	117,365	1,464,653	124,435	840,005	263,130	74,372	341,110	1,685,865	2,254,370	290,835	2,651,620	1,464,560	66
298,065	1,429,675	9,965	318,068	148,732	1,200,381	161,965	1,077,485	243,555	150,640	296,790	1,492,915	1,716,815	412,385	2,443,440	1,601,020	67
309	1,097	20	194	81	1,116	202	995	330	51	346	931	976	120	1,390	824	68
301,540	1,096,110	6,480	87,815	27,846	1,036,815	52,780	944,595	150,645	16,130	375,697	1,341,010	981,930	97,480	1,876,429	1,669,100	69
349	1,352	10	269	105	1,441	276	1,255	420	80	497	1,545	1,440	305	2,184	1,083	70
416	1,973	10	576	268	1,855	466	1,921	676	205	601	1,842	1,980	645	2,588	1,461	71
56,896	288,785	850	39,530	16,990	320,321	30,090	226,400	66,825	7,615	245,380	345,535	283,030	21,465	659,155	241,390	72
70,619	386,005	1,135	69,205	39,425	343,400	54,180	290,615	95,805	17,960	76,207	402,925	348,980	63,485	729,842	309,885	73
237	825	10	192	80	785	220	825	315	70	307	900	895	285	961	655	74
112	506	...	77	25	645	56	410	100	10	140	620	525	20	1,148	396	75
...	21	...	...	...	11	...	20	5	...	50	25	20	...	75	32	76
257	968	...	260	105	1,076	163	880	256	71	584	1,038	1,026	291	1,494	904	77
249	1,183	11	439	230	1,096	281	1,082	351	110	553	1,223	1,190	417	1,528	910	78
131,905	601,750	...	150,425	75,980	546,260	143,930	797,435	45,245	104,144	1,483,234	524,685	516,740	153,825	869,495	946,925	79
84,218	628,815	7,000	171,141	131,915	492,485	65,255	526,940	59,930	57,940	692,185	552,575	463,135	166,880	720,455	839,800	80
223	850	...	224	85	950	133	690	255	60	315	920	885	260	1,243	685	81
235	1,045	5	404	184	1,000	265	945	345	105	400	1,082	1,095	377	1,356	721	82
22	71	...	21	5	80	20	95	1	5	92	61	70	20	165	101	83
7	80	6	25	41	55	16	105	6	...	102	100	65	20	126	126	84
12	47	...	15	15	46	10	95	...	6	177	57	71	11	86	118	85
7	58	...	10	5	41	...	32	...	...	51	41	30	20	46	6	

STATISTICS FOR COUNTIES

County Table 7.—USE OF FERTILIZER AND LIME ON FARMS AND

[Data are based on reports for only]

Item (For definitions and explanations, see text)	Ionia	Iosco	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>									
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	1,737	270	75	1,416	1,519	1,264	110	1,997	5
2 1954.....	1,723	285	81	1,521	1,566	1,534	248	2,287	...
3 acres on which used 1959.....	110,962	8,127	1,990	88,915	89,455	80,372	4,981	72,532	40
4 1954.....	96,507	6,765	1,260	72,205	73,494	81,804	9,172	86,597	...
5 tons 1959.....	11,260	1,054	285	9,056	9,938	9,623	522	8,741	10
6 1954.....	11,216	888	254	7,097	8,544	10,971	1,348	10,904	...
7 Dry materials..... farms reporting 1959.....	1,722	270	75	1,416	1,499	1,249	110	1,982	5
8 1954.....	11,014	1,054	285	9,005	9,824	9,179	522	8,649	10
9 Liquid materials..... farms reporting 1959.....	71	...	...	40	62	128	...	46	...
10 1954.....	246	...	...	51	114	444	...	92	...
<b>Crops on which used—</b>									
11 Hay and cropland pasture..... farms reporting 1959.....	196	58	40	250	210	148	7	220	5
12 1954.....	235	52	40	260	279	224	26	331	...
13 acres 1959.....	4,268	2,132	1,015	6,705	6,427	4,171	285	3,605	40
14 1954.....	4,015	831	670	6,385	5,050	4,825	591	6,315	...
15 Dry materials..... farms reporting 1959.....	196	58	40	250	210	148	7	220	5
16 1954.....	518	240	128	701	738	467	51	408	10
17 Liquid materials..... farms reporting 1959.....	...	...	...	...	...	...	...	...	...
18 1954.....	...	...	...	...	...	...	...	...	...
19 Other pasture (not cropland)..... farms reporting 1959.....	25	...	10	20	15	31	10	40	...
20 1954.....	41	...	5	5	36	35	10	20	...
21 acres 1959.....	615	...	100	715	225	455	185	470	...
22 1954.....	895	...	5	100	258	905	20	205	...
23 Dry materials..... farms reporting 1959.....	25	...	10	20	15	31	10	40	...
24 1954.....	78	...	15	49	25	34	23	63	...
25 Liquid materials..... farms reporting 1959.....	...	...	...	...	...	...	...	...	...
26 1954.....	...	...	...	...	...	...	...	...	...
27 Corn..... farms reporting 1959.....	1,362	153	...	1,111	1,292	901	105	1,321	...
28 1954.....	1,338	159	...	1,101	1,210	1,069	203	1,517	...
29 acres 1959.....	48,354	1,942	...	34,995	47,422	36,520	2,890	28,405	...
30 1954.....	37,493	2,129	...	26,540	34,305	35,234	3,840	27,645	...
31 Dry materials..... farms reporting 1959.....	1,347	153	...	1,111	1,271	876	105	1,311	...
32 1954.....	4,239	211	...	3,263	4,513	4,019	240	2,894	...
33 Liquid materials..... farms reporting 1959.....	60	...	...	60	56	107	...	35	...
34 1954.....	126	...	...	24	98	327	...	33	...
35 Wheat..... farms reporting 1959.....	1,412	105	...	1,106	948	776	25	1,156	...
36 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	28,816	1,200	...	21,128	18,452	21,842	185	17,725	...
38 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	1,402	105	...	1,106	933	756	25	1,151	...
40 1954.....	3,402	181	...	2,502	2,145	2,634	20	2,054	...
41 Liquid materials..... farms reporting 1959.....	25	...	...	15	25	57	...	15	...
42 1954.....	41	...	...	27	12	94	...	32	...
43 Sugar beets..... farms reporting 1959.....	20	...	...	10	...	...	...	...	...
44 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	580	...	...	370	...	...	...	...	...
46 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	20	...	...	10	...	...	...	...	...
48 1954.....	134	...	...	58	...	...	...	...	...
49 Liquid materials..... farms reporting 1959.....	5	...	...	...	...	...	...	...	...
50 1954.....	2	...	...	...	...	...	...	...	...
51 All other crops..... farms reporting 1959.....	1,091	168	55	941	706	723	64	1,101	...
52 1954.....	28,329	2,853	875	25,002	16,929	17,384	1,436	22,327	...
53 acres 1959.....	1,076	168	55	941	696	708	64	1,091	...
54 1954.....	2,643	422	142	2,432	2,403	2,025	188	3,230	...
55 Dry materials..... farms reporting 1959.....	21	...	...	...	11	21	...	11	...
56 1954.....	77	...	...	...	4	23	...	27	...
57 Liquid materials..... farms reporting 1959.....	261	21	25	120	377	305	12	363	5
58 1954.....	346	21	80	175	412	463	51	630	...
59 acres limed 1959.....	5,990	295	780	2,795	6,707	7,758	250	5,030	40
60 1954.....	5,465	205	835	2,095	7,148	9,381	805	10,705	...
61 tons 1959.....	13,805	705	1,525	9,670	13,505	18,887	680	9,115	100
62 1954.....	9,460	594	2,175	3,735	12,270	37,742	1,255	16,725	...
<b>SPECIFIED FARM EXPENDITURES</b>									
63 Any of the following specified expenditures..... farms reporting 1959.....	2,108	421	292	1,701	2,039	1,637	220	2,992	10
64 1954.....	1,613	335	252	1,301	1,608	1,114	180	2,056	5
65 Feed for livestock and poultry..... farms reporting 1959.....	1,738	462	391	1,542	1,596	1,569	268	2,732	10
66 1954.....	1,773,095	205,300	88,725	1,247,090	1,958,642	1,137,850	89,736	1,821,765	250
67 dollars 1959.....	1,200,717	110,935	91,130	927,785	1,106,317	1,633,830	64,399	1,900,290	7,400
68 1954.....	1,002	162	81	791	1,012	688	67	1,171	5
69 Purchase of livestock and poultry..... farms reporting 1959.....	1,333,325	95,120	23,605	962,590	1,988,225	1,627,949	31,634	936,430	1,015
70 1954.....	1,251	250	145	1,026	1,080	750	91	1,562	10
71 Machine hire..... farms reporting 1959.....	1,425	405	266	1,452	1,319	1,155	246	2,097	10
72 1954.....	283,360	33,535	15,355	245,170	226,449	150,690	11,005	403,840	875
73 dollars 1959.....	256,200	51,255	30,595	300,598	247,517	230,560	23,486	362,650	160
74 1954.....	765	190	125	540	675	477	66	990	10
75 Under \$200..... farms reporting 1959.....	466	60	20	465	373	261	25	536	...
76 1954.....	20	...	...	21	32	12	...	36	...
77 \$200 to \$999..... farms reporting 1959.....	973	160	102	826	883	766	54	1,427	...
78 1954.....	913	162	158	906	967	888	153	1,437	10
79 dollars 1959.....	1,046,480	51,975	39,770	326,840	1,069,359	1,089,083	49,830	2,260,277	...
80 1954.....	545,079	40,059	58,545	306,810	778,318	991,309	67,289	1,650,580	875
81 Under \$1,000..... farms reporting 1959.....	785	151	92	740	710	531	42	1,030	...
82 1954.....	795	147	151	840	812	690	136	1,080	10
83 \$1,000 to \$2,499..... farms reporting 1959.....	85	5	5	65	106	126	10	205	...
84 1954.....	70	13	1	45	105	135	11	220	...
85 \$2,500 or more..... farms reporting 1959.....	103	4	5	21	67	109	2	192	...
86 1954.....	48	6	6	21	50	63	6	137	...
87 \$2,500 to \$4,999..... farms reporting 1959.....	40	2	5	16	45	73	...	91	...
88 1954.....	63	2	...	5	22	36	2	101	...
89 Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....	2,068	411	287	1,666	2,009	1,622	215	2,942	10
90 1954.....	1,973	542	383	1,797	1,962	1,935	343	3,112	10
91 dollars 1959.....	908,796	125,571	50,551	709,145	846,411	585,202	67,223	922,296	675
92 1954.....	704,270	96,578	92,305	612,685	609,080	630,403	86,245	941,035	725
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	1,192	226	150	1,036	1,282	788	82	1,587	...
94 1954.....	213,427	27,180	7,250	208,895	265,375	284,161	8,577	383,017	...

NA Not available.

FARM EXPENDITURES: CENSUSES OF 1959 AND 1954-Continued

a sample of farms. See text.

	Lake	Lapeer	Leelanau	Lenawee	Livingston	Luce	Mackinac	Macomb	Manistee	Marquette	Mason	Mecosta	Menominee	Midland	Missaukee	Monroe			
	101	2,221	545	2,746	1,202	13	87	1,529	307	105	663	783	807	870	456	2,458	1		
	123	2,225	581	2,867	1,328	37	50	1,822	462	176	891	966	952	1,050	464	2,803	2		
	1,765	116,520	16,240	216,987	65,666	251	1,959	61,760	8,190	3,792	22,429	29,825	26,560	41,315	17,704	157,554	3		
	2,583	98,084	14,115	192,318	66,377	2,975	800	77,236	10,145	3,501	24,377	31,178	23,340	43,570	16,012	162,511	4		
	182	15,561	2,486	31,259	7,404	30	228	9,864	1,325	659	2,629	3,368	2,998	4,506	2,308	22,967	5		
	346	11,889	2,220	24,378	7,493	588	102	11,502	1,648	604	3,364	3,396	3,038	4,375	1,797	22,248	6		
	101	2,221	535	2,711	1,202	13	87	1,524	307	105	658	783	807	865	451	2,438	7		
	182	15,216	2,424	28,689	7,278	30	228	9,863	1,325	659	2,620	3,359	2,998	4,367	2,291	21,922	8		
	...	80	10	333	46	...	...	5	...	...	10	15	...	55	5	173	9		
	...	345	62	2,570	126	...	...	1	...	...	9	9	...	139	17	1,045	10		
	21	280	90	170	176	5	26	210	80	46	80	120	393	130	81	136	11		
	11	323	140	425	191	6	15	335	75	34	141	155	423	185	97	271	12		
	225	7,555	1,565	3,915	4,460	100	462	3,405	860	980	1,550	2,185	8,956	1,665	1,290	2,470	13		
	145	6,822	1,765	8,298	3,110	510	315	7,525	940	966	1,685	2,690	6,347	2,025	2,395	6,380	14		
	21	280	90	160	176	5	26	210	80	46	80	120	393	130	81	136	15		
	20	1,239	197	587	726	5	48	462	136	143	177	323	905	193	169	591	16		
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	
	...	35	15	20	25	2	...	15	...	5	10	20	41	5	10	10	19		
	...	25	20	25	25	...	5	10	15	...	20	30	35	8	10	10	20		
	...	830	185	850	405	30	...	140	...	50	115	215	663	25	215	155	21		
	...	1,150	135	235	290	...	50	40	150	...	180	400	465	60	115	65	22		
	...	5	35	15	20	25	...	15	...	5	10	20	41	5	10	10	23		
	...	5	133	30	95	36	3	...	14	...	5	10	34	102	2	18	24		
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26	
	...	65	1,605	235	2,506	962	...	1,076	150	3	396	536	467	650	292	2,049	27		
	...	82	1,664	360	2,617	1,023	1	1,362	275	6	570	661	584	840	276	2,422	28		
	...	980	44,940	2,980	125,394	31,590	...	23,250	1,965	28	6,286	10,945	4,619	13,255	3,997	73,450	29		
	...	940	35,573	2,900	101,093	28,476	10	29,095	2,880	62	7,065	10,183	5,128	15,125	4,280	66,991	30		
	...	65	1,600	235	2,451	962	...	1,076	150	3	391	536	467	645	292	2,024	31		
	...	93	4,859	356	16,648	3,104	...	2,849	212	7	739	1,064	623	1,319	468	9,917	32		
	...	...	60	...	267	...	...	...	...	...	5	...	...	...	...	156	33		
	...	...	199	...	1,932	119	...	...	...	...	8	...	...	...	...	648	34		
	...	45	1,690	100	1,699	876	...	936	75	...	242	462	20	565	214	1,511	35		
	...	NA	NA	NA	NA	NA	...	NA	NA	...	NA	NA	NA	NA	NA	NA	NA	36	
	...	305	28,805	835	32,082	17,899	...	13,325	665	...	3,418	6,878	155	9,465	2,572	26,108	37		
	...	NA	NA	NA	NA	NA	...	NA	NA	...	NA	NA	NA	NA	NA	NA	NA	38	
	...	45	1,685	100	1,664	871	...	936	75	...	242	457	20	560	209	1,496	39		
	...	39	3,813	124	4,466	2,237	...	1,923	103	...	375	821	20	1,129	358	3,863	40		
	...	...	20	...	62	...	...	...	...	...	15	...	...	15	5	25	41		
	...	...	50	...	302	7	...	...	...	...	...	9	...	39	4	63	42		
	...	NA	NA	...	41	...	...	...	...	...	...	...	...	45	...	72	43		
	...	...	385	...	733	...	...	...	...	...	...	...	...	NA	NA	NA	44		
	...	NA	NA	...	NA	NA	...	NA	NA	...	NA	NA	NA	NA	NA	NA	45		
	...	...	25	...	41	...	...	...	...	...	...	...	...	45	...	67	47		
	...	...	78	...	262	...	...	...	...	...	...	...	...	293	...	522	46		
	...	...	18	...	10	...	...	...	...	...	...	...	...	10	...	5	49		
	...	30	1,521	440	1,846	561	...	1,174	207	74	418	443	591	207	...	12	50		
	...	230	34,405	10,675	54,013	11,312	121	1,277	4,700	734	11,060	9,602	12,167	15,555	9,630	53,341	51		
	...	30	1,511	430	1,810	561	8	56	1,169	74	418	443	591	500	355	1,682	52		
	...	25	5,094	1,717	6,631	1,175	22	140	4,615	874	504	1,319	1,117	1,348	1,431	1,278	7,011	53	
	...	...	15	...	61	...	...	...	5	...	5	...	...	25	5	17	54		
	...	...	78	...	310	...	...	...	1	...	1	...	...	18	...	322	56		
	...	...	130	...	181	147	...	...	30	...	111	167	5	5	148	61	57		
	...	...	51	...	295	262	21	15	70	100	200	231	26	5	131	127	58		
	...	...	725	2,260	740	4,050	2,578	...	295	...	1,771	3,869	5	60	2,375	1,170	59		
	...	...	373	2,318	450	4,195	305	270	2,005	300	2,520	3,873	360	85	2,445	2,740	60		
	...	...	1,560	4,905	1,155	5,405	5,930	...	460	1,815	260	4,480	14,539	10	30	6,035	61		
	...	...	760	4,838	850	5,935	7,713	350	360	2,550	1,730	210	4,705	11,385	380	2,990	62		
	261	2,541	735	3,092	1,472	58	192	1,868	573	247	938	1,194	1,075	1,080	682	2,808	63		
	...	226	1,835	445	2,125	1,132	38	171	1,187	337	230	617	944	620	551	1,598	64		
	...	247	1,929	575	2,561	1,403	87	210	1,732	585	317	922	1,296	1,235	706	2,108	65		
	...	81,120	1,749,125	136,870	2,738,808	929,787	15,069	81,264	998,615	216,620	105,771	449,321	810,121	698,325	228,680	510,260	1,192,535	66	
	...	43,360	1,080,770	132,175	2,312,413	899,115	45,875	1,466,940	179,540	140,099	678,125	577,411	687,121	371,995	460,375	1,224,960	67		
	...	125	1,050	290	1,364	641	33	111	736	196	82	296	432	327	430	298	1,058	68	
	...	53,930	1,116,050	141,430	4,760,442	876,045	36,370	38,765	704,875	59,280	12,850	146,195	389,275	118,180	374,270	169,115	1,319,165	69	
	...	115	1,516	445	1,670	717	18	80	922	282	57	531	647	668	595	463	1,385	70	
	...	177	1,674	535	2,013	1,227	72	165	1,296	177	856	1,086	1,053	955	584	1,869	71		
	...	13,610	373,640	134,465	437,720	154,795	1,984	7,955	188,202	138,900	4,963	204,355	164,565	98,580	124,050	81,770	319,042	72	
	...	13,630	327,810	51,615	407,627	225,870	6,425	18,295	242,370	56,780	21,207	125,705	161,453	139,775	163,220	84,635	339,495	73	
	...	...	95	865	330	430	18	70	570	195	46	315	430	486	375	321	895	74	
	...	...	20	625	80	778	281	...	351	81	11	186	207	177	210	137	445	75	
	...	...	...	26	35	37	6	...	1	6	...	30	10	5	5	5	45	76	
	...	...	71	1,101	475	1,317	621	18	61	818	273	76	433	499	350	290	818	77	
	...	...	103	995	417	1,401	662	62	105	882	322	162	571	640	605	349	1,203	78	
	...	...	20,220	1,225,490	785,060	1,038,360	528,665	8,710	10,560	1,452,163	431,120	108,650	378,012	234,225	114,260	69,035	271,360	1,167,601	79
	...	...	14,105	965,168	391,575	906,012	473,980	129,354	12,925	1,356,570	402,385	129,283	514,355	209,490	281,508	107,108	1,239,423	80	
	...	...	66	875	285	1,075	475	11	61	570	175	47	372	431	328	241	630	81	
	...	...	102	771	355	1,176	541	55	105	585	240	140	446	585	525	326	970	82	
	...	...	5	100	115	141	85	7	...	95	45	10	25	58	11	15	20	83	
	...	...	1	141	26	150	50	1	...	155	60	12	75	50	41	15	156	84	
	...	...	...	126	75	101	61	...	...	153	53	19	36	10	...	29	93	85	
	...	...	...	83	36	75	71	6											

STATISTICS FOR COUNTIES

County Table 7.—USE OF FERTILIZER AND LIME ON FARMS AND

[Data are based on reports for only

Item (For definitions and explanations, see text)	Montcalm	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	Ortonagon	Osecoia
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>									
1 Commercial fertilizer and fertilizing materials used during the year . . . . . farms reporting 1959 . . . . .	1,866	127	599	951	784	920	311	82	603
2 . . . . . 1954 . . . . .	1,961	66	801	1,173	1,361	1,264	370	126	625
3 . . . . . acres on which used 1959 . . . . .	91,830	4,456	26,795	34,836	43,330	35,104	13,966	1,022	20,583
4 . . . . . 1954 . . . . .	88,020	1,082	22,555	31,312	57,267	36,118	11,352	1,900	17,010
5 . . . . . tons 1959 . . . . .	11,663	507	3,293	5,068	5,741	5,346	1,578	126	2,543
6 . . . . . 1954 . . . . .	13,007	108	3,480	5,467	7,629	4,830	1,206	291	2,132
7 Dry materials . . . . . farms reporting 1959 . . . . .	1,841	127	589	951	774	920	311	82	598
8 . . . . . 1954 . . . . .	11,546	507	3,256	5,068	5,675	5,346	1,578	126	2,543
9 Liquid materials . . . . . farms reporting 1959 . . . . .	80	...	35	...	25	...	...	...	...
10 . . . . . 1954 . . . . .	117	...	37	...	66	...	...	...	...
<b>Crops on which used—</b>									
11 Hay and cropland pasture . . . . . farms reporting 1959 . . . . .	235	46	85	156	126	181	32	41	66
12 . . . . . 1954 . . . . .	275	16	111	151	198	316	57	20	92
13 . . . . . acres 1959 . . . . .	4,110	1,495	2,465	2,985	3,820	2,460	1,590	452	1,125
14 . . . . . 1954 . . . . .	5,910	170	1,220	1,705	6,710	5,340	992	205	1,980
15 Dry materials . . . . . farms reporting 1959 . . . . .	235	46	80	156	126	181	32	41	66
16 . . . . . 1954 . . . . .	458	180	234	601	507	356	298	62	145
17 Liquid materials . . . . . farms reporting 1959 . . . . .	...	...	5	...	...	...	...	...	...
18 . . . . . 1954 . . . . .	...	...	2	...	...	...	...	...	...
19 Other pasture (not cropland) . . . . . farms reporting 1959 . . . . .	50	...	5	21	5	...	5	1	6
20 . . . . . 1954 . . . . .	35	5	15	25	51	45	10	...	10
21 . . . . . acres 1959 . . . . .	560	...	80	360	30	275	60	35	44
22 . . . . . 1954 . . . . .	1,050	15	35	100	1,080	385	115	...	45
23 Dry materials . . . . . farms reporting 1959 . . . . .	50	...	5	21	5	21	5	1	6
24 . . . . . 1954 . . . . .	57	...	4	49	5	34	5	3	7
25 Liquid materials . . . . . farms reporting 1959 . . . . .	...	...	...	...	...	...	...	...	...
26 . . . . . 1954 . . . . .	...	...	...	...	...	...	...	...	...
27 Corn . . . . . farms reporting 1959 . . . . .	1,271	25	458	656	591	527	184	...	421
28 . . . . . 1954 . . . . .	1,430	10	571	676	955	662	259	1	370
29 . . . . . acres 1959 . . . . .	27,550	380	10,560	14,507	20,120	8,127	4,210	...	6,978
30 . . . . . 1954 . . . . .	25,220	40	8,150	11,677	24,561	9,325	3,881	20	4,410
31 Dry materials . . . . . farms reporting 1959 . . . . .	1,251	25	443	656	591	527	184	...	421
32 . . . . . 1954 . . . . .	2,730	43	996	1,473	2,521	883	440	...	780
33 Liquid materials . . . . . farms reporting 1959 . . . . .	50	...	25	...	10	...	...	...	...
34 . . . . . 1954 . . . . .	67	...	9	...	44	...	...	...	...
35 Wheat . . . . . farms reporting 1959 . . . . .	1,416	97	326	450	405	361	186	5	347
36 . . . . . 1954 . . . . .	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 . . . . . acres 1959 . . . . .	24,830	1,665	4,400	4,975	8,568	3,452	2,859	15	4,289
38 . . . . . 1954 . . . . .	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials . . . . . farms reporting 1959 . . . . .	1,391	97	321	450	400	361	186	5	347
40 . . . . . 1954 . . . . .	2,919	177	520	675	1,166	521	305	1	609
41 Liquid materials . . . . . farms reporting 1959 . . . . .	50	...	5	...	5	...	...	...	...
42 . . . . . 1954 . . . . .	43	...	1	...	...	...	...	...	...
43 Sugar beets . . . . . farms reporting 1959 . . . . .	5	...	...	...	...	...	...	...	...
44 . . . . . 1954 . . . . .	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 . . . . . acres 1959 . . . . .	80	...	...	...	...	...	...	...	...
46 . . . . . 1954 . . . . .	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials . . . . . farms reporting 1959 . . . . .	5	...	...	...	...	...	...	...	...
48 . . . . . 1954 . . . . .	22	...	...	...	...	...	...	...	...
49 Liquid materials . . . . . farms reporting 1959 . . . . .	...	...	...	...	...	...	...	...	...
50 . . . . . 1954 . . . . .	...	...	...	...	...	...	...	...	...
51 All other crops . . . . . farms reporting 1959 . . . . .	1,160	61	393	561	432	662	216	40	392
52 . . . . . 1954 . . . . .	34,700	916	9,290	12,009	10,792	20,790	5,247	520	8,147
53 Dry materials . . . . . farms reporting 1959 . . . . .	1,160	61	388	561	417	662	216	40	392
54 . . . . . 1954 . . . . .	5,360	107	1,502	2,270	1,476	3,552	530	60	1,002
55 Liquid materials . . . . . farms reporting 1959 . . . . .	5	...	30	...	15	...	...	...	...
56 . . . . . 1954 . . . . .	7	...	25	...	22	...	...	...	...
57 Lime or liming materials used during the year . . . . . farms reporting 1959 . . . . .	410	...	112	235	72	117	32	31	288
58 . . . . . 1954 . . . . .	445	...	160	321	159	310	32	127	187
59 . . . . . acres limed 1959 . . . . .	7,285	...	1,489	3,680	1,664	1,398	530	335	4,793
60 . . . . . 1954 . . . . .	7,250	...	1,670	3,765	4,060	565	1,515	2,985	4,793
61 . . . . . tons 1959 . . . . .	14,605	...	4,103	9,810	3,311	3,064	1,320	1,645	15,079
62 . . . . . 1954 . . . . .	12,060	...	4,860	6,570	7,903	6,000	1,002	4,535	3,326
<b>SPECIFIED FARM EXPENDITURES</b>									
63 Any of the following specified expenditures . . . . . farms reporting 1959 . . . . .	2,357	277	939	1,461	1,297	1,256	623	382	1,018
64 . . . . . 1954 . . . . .	1,541	206	668	1,021	816	772	467	322	828
65 . . . . . dollars 1959 . . . . .	1,980	206	1,032	1,574	1,532	1,227	679	579	1,041
66 . . . . . 1954 . . . . .	922,765	71,071	674,550	1,132,490	1,105,340	383,803	350,763	166,290	530,640
67 Purchase of livestock and poultry . . . . . farms reporting 1959 . . . . .	999,770	138,705	730,305	818,935	1,331,075	431,368	171,638	218,065	309,162
68 . . . . . 1954 . . . . .	776	115	378	596	520	392	228	122	401
69 . . . . . dollars 1959 . . . . .	460,480	30,225	355,046	346,010	757,705	218,040	350,920	38,590	250,965
70 Machine hire . . . . . farms reporting 1959 . . . . .	1,377	127	355	840	500	707	280	176	632
71 . . . . . 1954 . . . . .	1,890	141	616	1,288	1,225	1,077	480	432	744
72 . . . . . dollars 1959 . . . . .	274,785	20,369	74,995	158,245	111,290	148,702	95,347	25,480	109,830
73 . . . . . 1954 . . . . .	356,805	16,234	86,190	191,645	211,638	130,945	82,196	36,106	90,378
74 Under \$200 . . . . . farms reporting 1959 . . . . .	910	86	260	560	315	466	174	136	481
75 \$200 to \$999 . . . . . farms reporting 1959 . . . . .	456	41	85	270	170	220	101	40	145
76 \$1,000 or more . . . . . farms reporting 1959 . . . . .	11	...	10	10	15	21	5	...	6
77 Hired labor . . . . . farms reporting 1959 . . . . .	1,077	127	274	511	612	726	204	137	458
78 . . . . . 1954 . . . . .	1,281	111	437	852	898	920	286	269	491
79 . . . . . dollars 1959 . . . . .	825,110	33,170	703,088	701,940	1,331,145	1,390,637	139,825	21,080	145,696
80 . . . . . 1954 . . . . .	951,550	29,005	447,405	659,935	1,439,555	675,612	76,469	67,350	195,339
81 Under \$1,000 . . . . . farms reporting 1959 . . . . .	915	117	176	385	390	423	155	136	422
82 . . . . . 1954 . . . . .	1,115	105	305	692	650	722	276	256	444
83 \$1,000 to \$2,499 . . . . . farms reporting 1959 . . . . .	85	10	35	40	96	140	46	...	31
84 . . . . . 1954 . . . . .	95	5	90	100	75	131	8	11	36
85 \$2,500 or more . . . . . farms reporting 1959 . . . . .	77	...	63	86	126	163	3	1	5
86 . . . . . 1954 . . . . .	71	1	42	60	173	67	2	2	11
87 \$2,500 to \$4,999 . . . . . farms reporting 1959 . . . . .	50	...	26	40	62	105	1	1	5
88 \$5,000 or more . . . . . farms reporting 1959 . . . . .	27	...	37	46	64	58	2	...	...
89 Gasoline and other petroleum fuel and oil for the farm business . . . . . farms reporting 1959 . . . . .	2,327	272	934	1,431	1,277	1,245	608	372	1,003
90 . . . . . 1954 . . . . .	2,405	211	927	1,717	1,803	1,469	733	630	1,001
91 . . . . . dollars 1959 . . . . .	778,215	60,447	347,566	413,635	487,660	434,410	196,669	91,375	255,798
92 . . . . . 1954 . . . . .	739,200	38,210	254,360	445,905	471,051	351,280	201,101	101,270	245,538
93 Seeds, bulbs, plants, and trees . . . . . farms reporting 1959 . . . . .	1,327	117	361	756	677	643	222	127	512
94 . . . . . dollars 1959 . . . . .	267,980	8,651	70,974	113,705	234,660	129,290	34,973	7,190	58,227

NA Not available.

FARM EXPENDITURES: CENSUSES OF 1959 AND 1954-Continued

a sample of farms. See text.]

Oscoda	Otsego	Ottawa	Presque Isle	Roseconm	Saginaw	St. Clair	St. Joseph	Sanilac	School-craft	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford	
86	126	2,004	508	25	3,243	2,608	1,385	3,513	40	2,001	2,649	2,306	1,736	887	212	1
77	182	2,585	619	5	3,469	2,706	1,545	3,566	96	2,061	3,285	2,689	1,975	1,493	410	2
2,910	3,238	71,232	21,092	420	215,653	113,347	96,865	230,937	1,420	135,128	214,365	87,001	113,131	37,005	4,248	3
1,490	5,285	84,780	21,950	150	177,311	105,645	89,645	203,179	1,707	116,305	203,214	92,954	110,309	40,119	7,260	4
417	477	9,208	3,152	65	27,692	16,408	12,031	28,175	190	14,780	30,963	14,970	13,644	4,836	571	5
156	742	10,641	3,024	10	21,602	13,430	10,048	23,029	406	11,780	27,448	14,592	11,876	5,289	1,018	6
86	126	1,984	508	25	3,213	2,603	1,320	3,508	40	1,986	2,604	2,261	1,736	872	212	7
417	454	9,086	3,152	65	27,007	16,164	10,761	27,893	190	14,413	28,175	14,641	13,608	4,758	571	8
...	10	80	...	...	375	51	325	290	...	95	415	121	20	20	...	9
...	23	122	...	...	685	244	1,270	282	...	367	2,788	329	36	78	...	10
40	26	230	136	10	580	220	200	562	15	241	388	290	179	66	45	11
16	35	385	151	...	882	340	400	667	6	416	709	496	282	127	105	12
1,115	788	3,615	3,095	60	11,040	4,025	4,050	16,160	610	6,950	7,814	4,760	6,055	1,663	685	13
222	295	5,215	2,740	...	15,245	6,545	8,195	14,150	330	9,080	13,815	7,850	7,659	1,617	790	14
40	26	230	136	10	565	220	200	552	15	241	388	275	179	66	45	15
186	76	455	382	15	1,529	595	468	2,077	115	926	874	584	581	177	98	16
...	...	...	...	...	25	...	...	15	...	...	...	15	...	...	...	17
...	...	...	...	...	33	...	...	12	...	...	...	42	...	...	...	16
5	5	50	30	...	70	45	5	60	...	30	42	70	30	...	6	19
15	15	55	10	...	20	50	40	5	...	50	...	85	55	10	15	20
50	35	595	950	...	670	485	50	1,830	...	320	786	625	280	...	85	21
195	160	615	75	...	230	665	470	125	...	525	...	850	605	60	55	22
5	5	50	30	...	65	45	5	60	...	30	42	70	30	...	6	23
5	4	81	78	...	72	72	5	232	...	35	79	90	27	...	14	24
...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	25
...	...	...	...	...	12	...	...	...	...	...	...	...	...	...	...	26
10	56	1,421	143	...	2,352	1,918	1,210	2,403	5	1,501	1,879	1,432	1,450	637	146	27
20	77	1,865	141	5	2,494	2,086	1,245	2,496	5	1,586	2,563	1,729	1,590	1,168	280	28
130	565	30,535	1,268	...	47,419	37,050	53,775	47,380	5	44,015	42,070	33,661	51,903	15,898	1,631	29
180	955	32,880	1,090	100	44,263	34,490	41,600	43,416	20	34,655	48,910	38,465	48,986	20,575	3,080	30
10	56	1,411	143	...	2,312	1,145	1,491	2,393	5	1,491	1,829	1,412	1,450	622	146	31
10	67	3,181	202	...	5,414	4,759	5,739	5,694	1	4,304	5,020	4,641	5,497	2,142	199	32
...	5	60	...	...	185	41	270	195	...	60	215	61	20	15	...	33
...	10	76	...	...	279	135	951	168	...	90	778	196	36	39	...	34
15	5	1,216	376	...	2,657	2,068	905	3,056	...	1,696	2,231	746	1,314	397	26	35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
140	120	14,707	3,633	...	49,331	29,751	21,465	55,422	...	34,573	46,855	10,510	24,913	6,355	309	37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38
15	5	1,196	376	...	2,627	2,058	845	3,041	...	1,676	2,161	711	1,314	387	26	39
20	10	1,831	587	...	6,716	4,308	2,596	7,630	...	4,263	6,993	1,376	3,126	825	36	40
...	35	...	...	...	130	21	100	90	...	55	205	45	...	10	...	41
...	26	...	...	...	135	29	227	52	...	114	490	51	...	33	...	42
...	...	...	...	...	553	86	...	285	...	15	695	...	...	...	...	43
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44
...	...	...	...	...	14,234	2,835	...	4,805	...	255	16,905	...	...	...	...	45
...	...	...	...	...	548	86	...	285	...	10	650	...	...	...	...	46
...	...	...	...	...	3,898	924	...	1,120	...	63	4,242	...	...	...	...	46
...	...	...	...	...	100	...	...	40	...	5	250	...	...	...	...	49
...	...	...	...	...	98	...	...	42	...	23	844	...	...	...	...	50
61	95	1,322	448	15	2,502	1,732	575	3,051	25	1,350	2,171	1,566	1,085	620	102	51
1,475	1,730	21,780	12,146	360	92,959	39,201	17,525	105,340	805	49,015	99,935	37,445	29,980	13,089	1,538	52
61	95	1,312	448	15	2,467	1,722	590	3,046	25	1,335	2,131	1,536	1,085	615	102	53
196	297	3,538	1,903	50	9,378	5,506	1,953	11,140	74	4,822	10,967	7,950	4,377	1,614	224	54
...	10	...	...	...	80	20	50	10	...	15	100	46	...	10	...	55
...	13	20	...	...	128	80	92	8	...	140	676	40	...	6	...	58
41	20	285	...	10	35	70	340	50	...	60	50	356	198	...	75	57
...	67	375	...	...	50	135	610	130	...	135	141	491	337	41	220	58
680	635	4,545	...	100	670	1,105	9,315	1,170	...	855	1,230	6,606	3,603	...	1,155	59
...	990	4,315	235	...	455	2,990	12,115	2,095	135	2,090	1,850	6,827	9,490	485	2,115	60
1,880	990	12,060	...	100	760	2,775	22,970	1,005	...	1,885	1,625	14,231	7,107	...	2,100	61
...	1,392	9,250	785	...	485	4,015	31,780	3,855	215	4,725	3,530	13,105	9,425	840	3,045	62
182	272	2,631	650	51	3,700	2,989	1,690	3,763	125	2,216	3,004	2,848	2,077	1,295	462	63
166	231	1,934	545	31	2,303	2,061	1,200	2,678	95	1,561	1,753	1,644	1,619	678	386	64
187	303	2,635	554	70	2,977	2,451	1,685	3,000	156	1,886	2,874	2,283	2,013	1,422	632	85
292,220	85,930	3,811,755	255,030	10,575	2,421,145	1,620,075	1,326,950	2,250,099	88,070	1,246,000	1,379,911	1,563,820	2,049,655	495,872	169,980	86
172,920	102,375	3,859,900	124,300	30,655	1,837,970	1,368,075	1,480,795	2,179,085	47,480	1,261,345	1,656,860	1,187,295	1,869,653	847,355	126,375	87
91	147	1,213	403	25	1,498	1,268	750	1,312	35	891	996	950	1,059	392	235	88
93,205	21,385	1,023,335	190,355	14,490	1,054,700	1,051,766	608,310	1,302,956	30,620	679,870	580,308	692,410	1,955,335	218,070	71,235	69
101	146	1,342	351	10	2,367	1,700	885	2,555	40	1,236	1,865	1,449	1,058	423	222	70
160	216	1,910	504	20	2,697	2,085	1,265	2,634	71	1,735	2,537	1,938	1,521	996	402	71
16,010	10,563	339,465	54,915	2,550	612,320	419,885	172,590	594,695	5,165	228,260	559,055	373,015	247,260	52,992	25,525	72
17,160	19,665	314,530	70,595	3,355	566,494	397,430	245,810	564,435	5,630	371,180	632,670	290,071	320,279	107,730	30,469	73
75	131	860	265	...	1,355	1,140	600	1,420	25	805	970	1,040	605	335	191	74
21	15	455	81	10	941	525	260	1,100	15	421	820	361	426	88	30	75
5	...	27	5	...	71	35	25	35	...	10	75	48	...	...	...	76
66	97	1,095	390	10	1,555	954	715	1,473	45	956	1,394	1,618	927	409	167	77
61	138	1,200	419	30	1,758	1,041	826	1,346	91	926	1,690	1,860	1,034	567	221	78
10,695	41,670	1,541,580	214,485	2,240	1,074,882	846,305	450,510	832,352	8,120	467,370	803,488	3,577,940	1,267,870	1,076,033	77,165	79
10,885	56,185	901,045	179,145	2,590	800,382	608,345	393,510	633,481	48,115	542,385	971,360	2,628,355	978,530	508,820	26,205	80
66	75	815	307	10	1,310	795	610	1,265	45	830	1,175	1,030	690	285	161	81
60	112	935	366	30	1,537	845	730	1,165	66	770	1,450	1,385	791	455	216	82
...	22	145	22	...	156	80	75	145	...	90	160	255	130	41	5	83
...	26	150	47	...	155	150	50	145	25	110	155	250	150	70	5	84
...	...	135	21	...	89	79	30	63	...	36	59	333	107	83	...	85
...	...	115	6</													