

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	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth	Brown	Carlton
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>										
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	83,299	431	536	894	393	1,043	411	1,561	1,055	386
2 1954.....	74,772	391	668	706	383	1,074	305	1,361	883	271
3 acres on which used 1959.....	6,664,562	8,482	25,907	66,682	11,525	47,955	36,874	135,341	68,000	7,039
4 1954.....	4,188,063	5,599	21,327	45,970	9,364	33,870	13,815	77,903	42,911	2,621
5 tons 1959.....	511,029	835	2,643	3,390	1,123	4,087	2,438	14,179	7,187	1,042
6 1954.....	317,131	484	2,253	718	2,607	1,341	8,113	4,308	454	454
7 Dry materials..... farms reporting 1959.....	80,553	431	526	894	393	1,033	381	1,496	985	386
8 tons 1959.....	460,498	835	2,445	3,390	1,080	3,928	1,927	12,386	5,863	1,032
9 Liquid materials..... farms reporting 1959.....	12,572	...	97	...	20	102	102	526	198	10
10 tons 1959.....	50,531	...	198	...	43	159	511	1,793	1,324	10
<b>Crops on which used—</b>										
11 Hay and cropland pasture..... farms reporting 1959.....	24,372	170	117	592	216	226	205	186	442	235
12 1954.....	20,987	61	151	357	116	152	171	277	426	76
13 acres 1959.....	568,035	3,050	2,550	15,820	4,965	2,720	6,935	3,645	6,820	3,640
14 1954.....	403,496	1,730	2,405	10,283	1,460	1,970	4,131	5,330	5,146	521
15 Dry materials..... farms reporting 1959.....	23,826	170	117	592	201	221	200	186	432	235
16 tons 1959.....	54,840	294	247	1,326	474	314	497	443	858	501
17 Liquid materials..... farms reporting 1959.....	667	...	...	...	15	5	...	...	15	10
18 tons 1959.....	1,462	...	...	...	12	8	...	...	18	10
19 Other pasture (not cropland)..... farms reporting 1959.....	2,599	30	10	47	15	10	11	45	15	21
20 1954.....	1,896	...	10	35	5	10	5	30	30	25
21 acres 1959.....	42,594	275	265	530	150	410	140	800	325	230
22 1954.....	34,777	...	125	770	10	70	70	365	755	180
23 Dry materials..... farms reporting 1959.....	2,489	30	10	47	15	10	11	45	15	21
24 tons 1959.....	4,192	28	20	35	13	71	16	91	33	31
25 Liquid materials..... farms reporting 1959.....	140	...	...	...	...	...	...	...	...	...
26 tons 1959.....	204	...	...	...	...	...	...	...	...	...
27 Corn..... farms reporting 1959.....	67,498	166	465	443	110	1,023	295	1,471	850	61
28 1954.....	56,136	186	598	414	82	1,044	189	1,196	637	26
29 acres 1959.....	3,969,683	2,092	17,722	12,216	1,810	35,910	22,245	121,226	57,105	477
30 1954.....	2,199,838	1,460	15,020	11,262	931	28,835	7,541	59,538	27,685	205
31 Dry materials..... farms reporting 1959.....	64,361	166	459	443	110	1,013	218	1,401	779	61
32 tons 1959.....	287,706	188	1,495	686	150	2,879	1,063	10,828	4,576	46
33 Liquid materials..... farms reporting 1959.....	11,696	...	92	...	...	102	102	516	178	...
34 tons 1959.....	44,520	...	193	...	...	151	503	1,746	1,290	...
35 Soybeans..... farms reporting 1959.....	3,129	10	60	12	...	80	6	76	40	5
36 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	93,713	85	1,725	455	...	2,770	55	1,695	1,140	20
38 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	3,027	10	60	12	...	80	6	76	40	5
40 tons 1959.....	6,252	8	99	19	...	167	4	188	127	2
41 Liquid materials..... farms reporting 1959.....	128	...	...	...	...	...	...	...	...	...
42 tons 1959.....	208	...	...	...	...	...	...	...	...	...
43 Irish potatoes..... farms reporting 1959.....	1,363	10	36	5	50	...	5	5	...	41
44 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	75,776	15	670	275	575	...	15	250	...	117
46 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	1,356	10	36	5	50	...	5	5	...	41
48 tons 1959.....	13,374	5	236	28	137	...	1	50	...	21
49 Liquid materials..... farms reporting 1959.....	29	...	5	...	...	...	...	...	...	...
50 tons 1959.....	47	...	...	...	...	...	...	...	...	...
51 All other crops..... farms reporting 1959.....	20,990	180	134	275	132	261	133	342	151	171
52 acres 1959.....	1,914,761	2,965	2,975	37,386	4,025	6,145	7,484	7,725	2,610	2,555
53 Dry materials..... farms reporting 1959.....	20,380	180	129	275	132	261	133	307	141	171
54 tons 1959.....	94,134	312	348	1,296	306	497	346	786	269	431
55 Liquid materials..... farms reporting 1959.....	854	...	5	...	...	...	...	40	10	...
56 tons 1959.....	4,090	...	1	...	31	...	...	47	16	...
57 Lime or liming materials used during the year..... farms reporting 1959.....	9,443	155	148	26	50	181	...	96	47	181
58 1954.....	12,224	292	265	15	...	189	5	131	25	235
59 acres limed 1959.....	213,097	1,305	2,350	865	1,025	3,294	...	2,295	960	1,897
60 1954.....	197,177	2,030	2,530	300	...	2,028	20	2,693	430	3,145
61 tons 1959.....	454,879	2,690	5,603	487	215	6,823	...	5,227	1,090	4,235
62 1954.....	382,782	3,120	5,495	410	...	3,430	10	5,397	630	3,650
<b>SPECIFIED FARM EXPENDITURES</b>										
63 Any of the following specified expenditures..... farms reporting 1959.....	144,948	1,362	907	2,207	1,159	1,296	946	2,508	1,936	1,216
64 Feed for livestock and poultry..... farms reporting 1959.....	126,419	1,167	757	1,968	928	1,220	754	2,137	1,811	1,111
65 1954.....	144,612	1,653	1,048	2,222	1,256	1,320	840	2,586	1,961	1,538
66 dollars 1959.....	211,883,639	1,461,450	1,497,125	1,968,847	358,625	1,336,983	1,169,719	4,095,385	4,755,425	827,834
67 1954.....	154,199,328	1,125,365	1,597,230	1,108,948	331,355	1,196,880	735,539	3,629,244	2,379,852	1,184,455
68 Purchase of livestock and poultry..... farms reporting 1959.....	83,432	577	435	1,025	455	747	528	1,551	1,465	381
69 dollars 1959.....	142,182,515	416,743	629,030	808,499	76,075	487,745	708,043	3,031,070	3,417,910	259,797
70 Machine hire..... farms reporting 1959.....	90,825	715	429	1,311	618	958	531	1,496	1,158	646
71 1954.....	118,375	1,047	645	1,841	1,000	1,145	726	2,025	1,699	919
72 dollars 1959.....	21,941,052	82,045	70,440	229,478	91,647	186,331	114,307	435,601	410,105	72,760
73 1954.....	26,214,418	102,295	116,160	294,404	114,650	188,960	200,955	492,490	430,878	93,346
74 Under \$200..... farms reporting 1959.....	49,593	600	295	869	466	537	329	631	496	540
75 \$200 to \$999..... farms reporting 1959.....	39,704	115	128	442	152	421	202	793	641	101
76 \$1,000 or more..... farms reporting 1959.....	1,528	...	6	...	...	...	...	52	...	5
77 Hired labor..... farms reporting 1959.....	65,010	441	262	925	433	679	393	1,093	781	396
78 1954.....	76,949	559	378	1,117	520	619	487	1,314	1,011	539
79 dollars 1959.....	42,420,119	177,303	290,770	297,916	178,730	297,610	223,319	690,751	564,265	165,422
80 1954.....	40,958,663	102,995	490,935	291,240	124,594	193,137	198,745	649,955	576,365	150,651
81 Under \$1,000..... farms reporting 1959.....	54,526	405	191	846	396	627	339	898	620	365
82 1954.....	66,305	550	315	1,064	488	582	438	1,120	841	510
83 \$1,000 to \$2,499..... farms reporting 1959.....	7,210	38	70	21	30	32	31	151	122	20
84 1954.....	7,947	2	30	38	30	25	37	147	126	21
85 \$2,500 or more..... farms reporting 1959.....	3,274	15	33	9	16	22	22	44	39	11
86 1954.....	2,697	7	33	15	2	12	12	47	44	8
87 \$2,500 to \$4,999..... farms reporting 1959.....	2,098	5	16	1	11	11	11	30	20	5
88 \$5,000 or more..... farms reporting 1959.....	1,176	10	17	8	5	11	10	14	19	6
89 Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....	141,166	1,317	887	2,162	1,119	1,241	941	2,448	1,881	1,191
90 1954.....	152,509	1,654	963	2,402	1,573	1,315	961	2,644	1,987	1,493
91 dollars 1959.....	78,985,825	285,812	286,390	748,936	304,520	471,347	762,782	1,811,386	1,458,915	248,315
92 1954.....	73,706,646	258,035	303,360	889,524	337,633	428,180	666,087	1,585,017	1,323,520	282,672
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	98,455	677	605	1,140	456	954	618	1,502	1,405	616
94 dollars 1959.....	25,188,562	40,331	150,810	153,348	50,890	141,795	203,265	415,867	366,272	39,681

NA Not available.

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)	Carver	Cass	Chippewa	Chisago	Clay	Clearwater	Cook	Cottonwood	Crow Wing	Dakota
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>										
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	712	383	1,051	1,021	1,304	345	5	1,088	450	1,237
2..... 1954.....	415	391	869	981	1,129	203	...	1,151	326	1,181
3 acres on which used 1959.....	20,925	10,243	92,537	39,565	237,624	16,801	5	91,824	15,715	100,375
4..... 1954.....	11,770	7,875	47,309	28,475	131,069	4,295	...	69,580	7,840	77,972
5 tons 1959.....	1,996	766	7,703	3,503	13,692	1,372	1	6,893	1,217	10,756
6..... 1954.....	1,097	704	4,388	2,354	7,481	378	...	5,612	536	7,255
7 Dry materials..... farms reporting 1959.....	642	383	1,016	1,011	1,293	345	5	1,053	450	1,221
8..... 1954.....	1,731	766	7,028	3,311	13,454	1,372	1	6,467	1,217	9,144
9 Liquid materials..... farms reporting 1959.....	171	...	216	110	61	...	...	116	...	380
10..... 1954.....	265	...	675	192	238	...	...	426	...	1,612
<b>Crops on which used—</b>										
11 Hay and cropland pasture..... farms reporting 1959.....	146	151	487	145	400	221	...	486	70	258
12..... 1954.....	120	76	406	140	319	75	...	508	30	223
13 acres 1959.....	2,210	2,470	10,975	3,295	13,137	4,201	...	7,720	910	8,640
14..... 1954.....	1,865	825	6,180	1,630	7,719	865	...	9,818	670	6,382
15 Dry materials..... farms reporting 1959.....	145	151	477	145	400	221	...	476	70	248
16..... 1954.....	266	243	1,221	341	816	477	...	745	81	852
17 Liquid materials..... farms reporting 1959.....	1	...	15	...	5	...	...	10	...	10
18..... 1954.....	12	...	58	...	15	...	...	18	...	20
19 Other pasture (not cropland)..... farms reporting 1959.....	40	10	30	35	47	...	...	10	5	51
20..... 1954.....	20	10	25	30	33	10	...	20	5	27
21 acres 1959.....	680	55	435	465	725	...	...	45	50	1,365
22..... 1954.....	205	65	255	700	750	45	...	200	20	770
23 Dry materials..... farms reporting 1959.....	40	10	25	35	47	...	...	10	5	46
24..... 1954.....	52	7	23	46	44	...	...	5	3	89
25 Liquid materials..... farms reporting 1959.....	...	...	5	...	...	...	...	...	...	10
26..... 1954.....	...	...	10	...	...	...	...	...	...	13
27 Corn..... farms reporting 1959.....	642	302	886	936	734	66	...	923	410	1,157
28..... 1954.....	270	335	623	935	616	71	...	956	296	1,075
29 acres 1959.....	17,275	6,178	65,277	28,925	26,324	875	...	78,404	12,205	71,519
30..... 1954.....	8,525	6,135	29,715	22,240	17,697	840	...	50,405	6,665	49,363
31 Dry materials..... farms reporting 1959.....	552	302	841	926	723	66	...	888	440	1,130
32..... 1954.....	1,343	391	4,578	2,439	1,589	54	...	5,227	840	6,593
33 Liquid materials..... farms reporting 1959.....	171	...	206	110	28	...	...	111	...	369
34..... 1954.....	253	...	572	192	84	...	...	399	...	1,413
35 Soybeans..... farms reporting 1959.....	5	5	55	76	76	...	...	35	20	98
36..... 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	40	50	1,730	2,055	5,156	...	...	1,230	175	2,990
38..... 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	5	5	55	76	71	...	...	35	20	97
40..... 1954.....	3	4	123	108	277	...	...	116	17	170
41 Liquid materials..... farms reporting 1959.....	...	...	...	...	10	...	...	...	...	1
42..... 1954.....	...	...	...	...	18	...	...	...	...	5
43 Irish potatoes..... farms reporting 1959.....	5	5	...	...	170	31	5	...	5	20
44..... 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	5	35	...	...	15,730	755	5	...	5	255
46..... 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	5	5	...	...	169	31	5	...	5	20
48..... 1954.....	1	5	...	...	2,044	272	1	...	1	80
49 Liquid materials..... farms reporting 1959.....	...	...	...	...	6	...	...	...	...	5
50..... 1954.....	...	...	...	...	18	...	...	...	...	4
51 All other crops..... farms reporting 1959.....	50	72	376	231	1,021	128	...	146	90	374
52..... 1954.....	715	1,455	14,120	4,825	176,552	10,970	...	4,425	2,370	15,606
53 Dry materials..... farms reporting 1959.....	50	72	366	231	995	128	...	141	90	362
54..... 1954.....	66	116	1,083	377	8,684	569	...	374	275	1,360
55 Liquid materials..... farms reporting 1959.....	...	...	20	...	28	...	...	5	...	12
56..... 1954.....	...	...	35	...	103	...	...	9	...	157
57 Lime or liming materials used during the year..... farms reporting 1959.....	20	72	15	276	...	35	...	...	80	403
58..... 1954.....	15	117	...	305	...	1	...	20	105	437
59 acres limed 1959.....	295	1,194	505	4,390	...	785	...	...	1,645	11,155
60..... 1954.....	185	1,385	...	3,575	...	30	...	445	1,470	10,504
61 tons 1959.....	620	1,830	570	8,344	...	215	...	...	3,210	25,965
62..... 1954.....	30	2,035	...	5,855	...	4	...	230	2,990	22,824
<b>SPECIFIED FARM EXPENDITURES</b>										
63 Any of the following specified expenditures..... farms reporting 1959.....	1,684	1,165	1,561	1,439	1,802	1,082	20	1,863	1,024	1,574
64 Feed for live-stock and poultry..... farms reporting 1959.....	1,574	1,054	1,356	1,274	1,205	909	15	1,663	834	1,322
65..... 1954.....	1,786	1,254	1,472	1,405	1,400	1,089	20	1,765	1,057	1,606
66 dollars 1959.....	3,256,330	615,776	2,382,622	1,912,200	929,029	358,275	8,750	3,947,155	963,835	2,503,252
67..... 1954.....	3,289,515	869,660	1,933,226	1,289,100	908,798	670,975	11,060	3,013,969	966,135	2,148,871
68 Purchase of livestock and poultry..... farms reporting 1959.....	1,103	572	1,149	588	753	472	5	1,433	424	926
69..... 1954.....	622,420	276,420	2,399,890	416,990	711,472	185,690	160	4,768,474	223,450	2,084,793
70 Machine hire..... farms reporting 1959.....	1,310	641	1,047	867	1,070	605	...	1,172	465	945
71..... 1954.....	1,515	690	1,319	1,220	1,471	809	5	1,505	677	1,336
72 dollars 1959.....	370,210	93,530	243,910	154,695	427,059	94,765	...	321,035	56,790	290,049
73..... 1954.....	340,655	83,320	315,198	216,470	455,707	108,060	250	393,054	67,930	367,097
74 Under \$200..... farms reporting 1959.....	550	500	565	550	454	425	...	565	355	427
75 \$200 to \$999..... farms reporting 1959.....	740	135	471	317	566	179	...	585	110	496
76 \$1,000 or more..... farms reporting 1959.....	20	6	11	...	50	1	...	22	...	22
77 Hired labor..... farms reporting 1959.....	804	339	695	564	996	441	...	832	264	794
78..... 1954.....	821	388	836	731	1,152	556	...	1,023	287	1,042
79 dollars 1959.....	450,535	76,925	303,325	245,540	1,950,266	107,585	...	383,275	127,005	839,549
80..... 1954.....	536,145	80,685	370,030	247,100	1,683,121	133,550	...	521,333	89,010	1,145,453
81 Under \$1,000..... farms reporting 1959.....	665	326	616	500	651	417	...	725	245	596
82..... 1954.....	690	376	721	656	794	525	...	845	267	777
83 \$1,000 to \$2,499..... farms reporting 1959.....	110	11	60	41	152	22	...	70	5	116
84..... 1954.....	95	110	97	70	171	25	...	151	15	160
85 \$2,500 or more..... farms reporting 1959.....	29	2	19	23	193	2	...	37	14	82
86..... 1954.....	36	2	18	5	187	6	...	27	5	105
87 \$2,500 to \$4,999..... farms reporting 1959.....	20	...	7	16	83	...	...	30	13	42
88 \$5,000 or more..... farms reporting 1959.....	9	2	12	7	110	2	...	7	1	40
<b>Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....</b>										
89..... 1954.....	1,639	1,110	1,501	1,409	1,710	1,022	20	1,823	994	1,519
90 dollars 1959.....	1,751	1,261	1,607	1,441	1,886	1,196	15	1,858	982	1,717
91..... 1954.....	763,220	242,180	1,032,240	386,995	1,477,029	304,094	800	1,308,892	237,265	821,505
92..... 1954.....	745,860	257,749	1,006,213	365,405	1,392,141	289,820	2,190	1,168,114	195,085	952,972
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	1,268	608	1,275	992	1,156	452	15	1,477	601	1,174
94..... 1954.....	204,980	41,176	348,175	128,555	606,023	35,575	285	415,784	60,360	332,581

NA Not available.

FARM EXPENDITURES: CENSUSES OF 1959 AND 1954--Continued

a sample of farms. See text.]

Dodge	Douglas	Faribault	Fillmore	Freeborn	Goodhue	Grant	Hennepin	Houston	Hubbard	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	
1,297	831	1,637	1,834	2,236	1,702	784	967	1,049	285	959	190	1,306	688	1,140	575	1
1,269	632	1,555	1,349	2,112	1,377	744	903	880	288	872	210	1,538	762	1,072	744	2
93,110	29,273	181,496	104,799	193,792	95,070	84,493	36,591	46,324	11,945	34,067	2,290	130,730	22,535	87,545	126,764	3
68,899	17,395	103,281	71,227	127,343	51,396	56,086	27,793	28,930	12,954	28,290	1,980	99,197	15,680	48,827	127,089	4
9,355	2,080	16,695	9,363	17,484	8,981	4,786	5,778	4,219	811	3,212	305	10,304	2,041	7,508	4,981	5
5,684	1,416	9,918	5,305	12,807	4,291	3,216	4,918	2,246	888	2,622	300	8,317	1,343	4,264	4,841	6
1,287	806	1,476	1,773	2,180	1,681	764	917	1,024	285	929	190	1,210	688	1,110	575	7
8,999	2,005	12,204	8,338	16,054	8,317	4,484	5,078	3,945	811	2,749	305	8,026	2,041	6,779	4,935	8
110	65	516	371	251	267	122	219	166	...	289	...	318	...	206	3	8
356	75	4,491	1,025	1,430	664	302	700	274	...	463	...	2,278	...	729	46	10
181	335	432	275	290	260	383	143	116	115	216	80	407	146	607	50	11
170	260	518	46	315	175	428	86	60	61	226	55	690	70	560	105	12
3,920	6,075	8,645	6,605	6,900	4,740	10,400	2,690	1,560	2,040	3,310	1,030	7,505	3,770	14,240	3,080	13
3,805	3,625	9,846	985	5,875	3,125	10,439	2,155	1,630	1,025	2,525	610	12,435	595	10,567	2,010	14
181	325	402	260	270	250	378	138	111	115	201	80	387	146	602	49	15
458	611	1,003	670	981	492	892	265	154	204	302	99	760	320	1,441	109	16
...	10	30	15	20	10	5	5	15	...	20	...	20	...	10	10	17
...	17	82	23	34	20	4	13	6	...	53	...	63	...	8	7	18
40	30	35	55	15	135	25	47	70	25	35	5	25	25	35	16	19
30	10	60	5	50	60	21	31	30	5	25	5	70	5	51	6	20
1,090	225	1,555	510	301	1,705	550	650	770	470	310	75	490	185	465	145	21
490	75	1,060	150	645	840	990	505	440	275	250	20	825	60	635	151	22
40	25	30	55	15	135	25	47	65	25	35	5	15	25	35	16	23
160	20	163	60	20	200	45	44	81	42	36	5	30	24	38	9	24
...	5	10	...	...	...	...	...	10	...	5	...	10	...	...	...	25
...	2	15	...	...	...	...	...	10	...	2	...	8	...	...	...	26
1,277	645	1,587	1,759	2,167	1,662	623	735	1,024	190	853	15	1,206	628	970	72	27
1,248	452	1,267	1,313	1,911	1,341	505	582	805	222	777	35	1,313	732	716	78	28
80,725	20,345	151,113	93,859	169,805	77,805	35,870	26,948	41,156	8,435	21,872	145	119,190	15,110	68,625	1,258	29
59,344	12,250	68,728	58,755	94,720	37,261	20,692	15,805	23,245	9,824	17,795	410	77,712	13,065	31,009	1,196	30
1,262	625	1,368	1,688	2,096	1,636	608	680	1,004	190	813	15	1,105	628	928	72	31
7,760	1,192	9,515	7,295	12,553	6,702	2,126	2,434	3,452	497	1,752	9	6,806	1,387	4,876	62	32
105	45	481	356	231	112	203	156	...	268	...	...	298	...	196	...	33
336	48	3,985	1,001	1,333	542	287	651	258	...	398	...	2,207	...	711	...	34
85	20	75	10	197	50	62	40	15	...	107	...	30	10	10	17	35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
2,410	120	3,585	260	5,650	1,560	2,215	815	200	...	4,165	...	580	220	435	1,567	37
85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38
85	20	60	10	182	50	62	40	15	...	107	...	30	10	10	17	39
129	8	149	25	445	151	82	111	43	...	190	...	59	11	28	54	40
...	...	15	...	15	...	5	...	...	...	...	...	...	...	...	...	41
...	...	35	...	25	...	...	...	...	...	...	...	...	...	...	...	42
...	...	1	...	70	...	5	...	...	...	6	...	...	...	...	...	43
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44
...	...	200	...	3,440	...	10	3,345	...	320	620	...	...	...	...	3,820	45
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46
...	...	1	...	70	...	5	...	...	6	60	...	...	...	...	...	47
...	...	80	...	1,043	...	3	1,794	...	...	148	137	...	5	...	636	48
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	49
...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	50
175	111	419	140	304	255	433	209	102	50	228	35	110	146	135	544	51
4,965	2,508	16,398	3,565	7,696	9,260	35,448	2,143	2,638	1,000	4,090	420	2,965	3,225	3,780	116,894	52
1,755	1,01	364	135	294	225	428	199	102	50	218	30	110	146	125	544	53
492	174	1,294	288	1,012	772	1,336	430	215	68	321	55	371	294	396	4,065	54
5	10	76	5	15	50	5	11	...	...	...	...	...	...	10	...	55
20	8	373	1	38	102	11	31	...	...	8	...	...	...	10	...	56
302	35	76	861	165	516	62	391	45	283	15	...	...	161	1	...	57
382	15	26	968	135	760	5	116	710	45	372	140	5	206	20	...	58
8,325	510	1,335	23,820	3,300	11,090	...	765	9,230	875	4,000	170	270	3,150	100	...	59
8,270	45	283	21,995	2,495	13,910	...	1,869	10,480	495	3,772	1,150	5	2,375	175	...	60
23,480	485	2,875	53,835	7,375	24,655	...	1,495	19,035	1,300	6,329	325	550	6,420	200	...	61
17,495	15	633	46,065	4,525	29,465	60	2,125	20,455	1,080	7,129	1,865	5	3,655	220	...	62
1,577	2,044	2,123	2,721	2,704	2,474	1,144	1,966	1,429	761	1,322	1,168	2,082	1,113	2,218	1,027	63
1,372	1,814	1,850	2,574	2,366	2,294	1,013	1,370	1,339	666	1,066	1,023	1,946	993	1,982	627	64
1,628	2,133	2,113	2,485	2,691	2,351	1,071	1,917	1,495	835	1,292	1,476	2,029	1,286	2,260	851	65
2,398,915	2,016,756	5,183,822	4,608,675	4,485,771	4,899,830	1,756,055	2,013,528	3,200,060	672,080	1,319,712	417,490	5,532,617	802,615	6,939,205	289,434	66
1,953,247	1,485,455	3,592,474	3,165,365	2,385,766	2,716,790	1,200,368	2,095,337	1,930,435	298,635	1,690,605	487,280	4,051,478	711,135	4,003,995	270,955	67
812	1,118	1,565	1,718	1,701	1,454	733	864	993	365	479	481	1,641	473	1,317	383	68
1,364,595	895,300	3,929,763	2,349,550	2,579,809	1,771,620	1,313,500	763,073	1,224,980	203,740	394,573	146,815	8,442,606	394,155	4,017,007	239,666	69
1,061	1,324	1,428	1,822	1,771	1,622	803	1,141	918	381	797	540	1,331	691	1,507	437	70
1,334	1,932	1,730	2,009	2,152	2,031	964	1,437	1,185	608	1,115	780	1,629	1,031	1,911	723	71
330,925	258,293	453,654	479,033	591,715	448,935	191,300	263,460	165,040	55,240	132,345	55,900	351,092	98,340	400,744	114,436	72
360,480	430,580	492,377	437,645	512,569	480,510	240,310	342,895	211,040	95,042	210,235	69,920	395,921	110,005	410,956	192,385	73
405	806	580	925	826	721	395	631	566	275	520	470	596	525	776	250	74
636	516	791	850	882	865	391	484	351	106	277	70	716	166	670	171	75
20	2	57	47	63	36	17	26	1	...	...	...	19	...	61	16	76
791	854	1,092	1,576	1,244	1,254	558	966	794	221	470	282	967	417	1,062	545	77
925	1,184	1,209	1,385	1,568	1,462	661	1,213	950	398	676	415	1,126	556	1,168	736	78
483,726	317,803	963,666	824,310	1,033,158	703,985	257,040	1,625,830	595,535	50,055	174,645	66,365	483,741	135,105	854,075	736,680	79
433,170	367,798	1,084,199	693,185	1,610,024	771,850	295,005	1,153,328	391,860	93,495	286,665	73,460	618,290	121,740	759,754	683,287	80
630	780	815	1,345	1,060	1,075	471	645	660	211	448	265	830	380	895	401	81
802	1,102	995	1,170	1,255	1,226	568	895	845	337	625	395	937	535	973	587	82
125	52	195	181	85	145	61	216	101	5	10	15	91	31	87	77	83
100																

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)	Koochi- ching	Lac qui Parle	Lake	Lake of the Woods	Le Sueur	Lincoln	Lyon	McLeod	Mahomen	Marshall
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>										
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	97	967	10	185	1,022	591	934	1,127	336	1,465
2 1954.....	90	740	10	141	697	622	965	933	263	1,434
3 acres on which used 1959.....	2,097	67,235	125	9,878	52,055	37,790	85,205	63,218	36,892	277,056
4 1954.....	2,060	29,805	60	3,781	28,042	23,808	58,378	32,316	9,557	222,640
5 tons 1959.....	240	5,445	12	725	4,691	2,786	6,702	5,977	1,601	12,769
6 1954.....	253	2,888	10	388	2,785	2,123	4,776	3,145	607	10,148
7 Dry materials..... farms reporting 1959.....	97	937	10	185	852	541	874	1,037	336	1,454
8 1954.....	240	4,658	12	725	3,734	2,401	5,532	5,249	1,601	12,317
9 Liquid materials..... farms reporting 1959.....	...	181	...	...	506	120	221	252	...	24
10 1954.....	...	787	...	...	957	385	1,170	728	...	452
<b>Crops on which used—</b>										
11 Hay and cropland pasture..... farms reporting 1959.....	36	496	5	40	140	275	442	595	180	243
12 1954.....	30	338	...	16	106	375	487	487	157	367
13 acres 1959.....	535	8,860	75	1,125	2,140	5,900	9,955	10,490	7,172	9,244
14 1954.....	505	5,437	...	356	1,512	7,500	10,578	7,238	3,192	9,780
15 Dry materials..... farms reporting 1959.....	36	491	5	40	135	270	417	550	180	243
16 1954.....	44	899	9	83	278	597	1,032	1,364	406	528
17 Liquid materials..... farms reporting 1959.....	...	5	...	...	5	5	25	50	...	...
18 1954.....	...	5	...	...	5	5	25	77	...	...
19 Other pasture (not cropland)..... farms reporting 1959.....	...	10	5	10	35	15	20	60	15	34
20 1954.....	...	20	...	...	20	5	26	25	10	24
21 acres 1959.....	...	155	50	100	1,170	195	375	615	200	590
22 1954.....	...	255	...	...	50	...	1,120	365	35	665
23 Dry materials..... farms reporting 1959.....	...	10	5	10	35	15	15	60	15	34
24 1954.....	...	15	3	20	114	18	13	59	12	30
25 Liquid materials..... farms reporting 1959.....	...	...	...	...	5	...	5	...	...	...
26 1954.....	...	...	...	...	3	...	15	...	...	...
27 Corn..... farms reporting 1959.....	5	716	...	2	957	426	753	947	168	187
28 1954.....	10	523	...	15	566	345	681	652	102	234
29 acres 1959.....	85	53,720	...	31	44,595	29,285	72,170	47,678	5,118	2,910
30 1954.....	80	18,361	...	120	19,250	11,658	38,174	19,785	1,877	3,509
31 Dry materials..... farms reporting 1959.....	5	671	...	2	757	356	683	872	168	187
32 1954.....	8	3,375	...	3	3,116	1,587	4,216	3,484	284	181
33 Liquid materials..... farms reporting 1959.....	...	176	...	...	491	120	216	232	...	...
34 1954.....	...	778	...	...	861	374	1,116	643	...	...
35 Soybeans..... farms reporting 1959.....	...	5	...	...	50	16	16	85	1	1
36 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	...	100	...	...	485	375	210	2,030	150	20
38 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	...	5	...	...	50	11	11	85	1	1
40 1954.....	...	8	...	...	39	25	13	160	7	2
41 Liquid materials..... farms reporting 1959.....	...	...	...	...	5	10	...	...	...	...
42 1954.....	...	...	...	...	5	2	...	...	...	...
43 Irish potatoes..... farms reporting 1959.....	16	...	...	61	...	...	...	...	7	111
44 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	217	...	...	911	...	...	...	...	218	8,955
46 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	16	...	...	61	...	...	...	...	7	111
48 1954.....	56	...	...	164	...	...	...	...	37	1,297
49 Liquid materials..... farms reporting 1959.....	...	...	...	...	...	...	...	...	...	...
50 1954.....	...	...	...	...	...	...	...	...	...	...
51 All other crops..... farms reporting 1959.....	65	150	...	122	155	80	96	81	219	1,352
52 1954.....	1,260	4,400	...	7,711	3,665	2,035	2,495	2,405	24,034	255,337
53 Dry materials..... farms reporting 1959.....	65	150	...	122	125	80	91	76	219	1,341
54 1954.....	132	361	...	455	187	174	298	182	855	10,279
55 Liquid materials..... farms reporting 1959.....	...	5	...	...	35	...	5	5	...	24
56 1954.....	...	4	...	...	88	...	10	8	...	452
57 Lime or liming materials used during the year..... farms reporting 1959.....	5	...	5	...	55	...	...	...	...	...
58 1954.....	...	15	20	...	6	5	5	...	...	10
59 acres limed 1959.....	100	...	60	...	810	...	...	...	...	...
60 1954.....	...	185	135	...	68	65	25	...	...	100
61 tons 1959.....	200	...	125	...	1,740	...	...	...	...	...
62 1954.....	...	210	245	...	141	130	75	...	...	55
<b>SPECIFIED FARM EXPENDITURES</b>										
63 Any of the following specified expenditures..... farms reporting 1959.....	508	1,938	80	426	1,827	1,446	1,755	2,132	690	2,036
64 1954.....	407	1,642	80	259	1,582	1,350	1,635	1,862	526	1,284
65 Feed for livestock and poultry..... farms reporting 1959.....	655	1,686	131	399	1,713	1,392	1,696	2,283	665	1,616
66 1954.....	99,830	1,909,635	37,500	95,440	2,281,780	2,098,575	3,804,400	4,262,619	304,720	1,378,798
67 dollars 1959.....	139,565	1,130,239	51,611	73,776	1,998,571	1,475,196	2,640,315	3,146,425	256,747	1,022,694
68 1954.....	167	1,247	35	149	1,057	1,135	1,335	1,487	316	792
69 Purchase of livestock and poultry..... farms reporting 1959.....	60,792	2,064,455	13,225	48,275	1,033,180	3,068,325	4,910,750	1,190,725	86,815	371,046
70 1954.....	161	1,266	15	191	1,115	985	1,166	1,532	417	990
71 Machine hire..... farms reporting 1959.....	325	1,396	45	346	1,403	1,258	1,367	1,862	579	1,417
72 1954.....	14,775	310,380	4,150	41,761	282,590	207,690	270,315	362,025	93,083	346,232
73 dollars 1959.....	44,115	321,011	1,990	68,235	318,462	282,126	374,588	429,523	120,080	408,965
74 1954.....	145	616	5	116	540	530	590	750	227	631
75 Under \$200..... farms reporting 1959.....	16	635	10	69	560	450	571	766	183	316
76 1954.....	...	15	...	6	15	5	5	16	7	43
77 \$1,000 or more..... farms reporting 1959.....	138	793	15	166	757	621	789	1,022	267	998
78 1954.....	210	988	1	219	913	797	978	1,153	333	1,196
79 dollars 1959.....	57,105	282,400	33,375	102,135	364,180	231,630	552,730	571,005	144,154	860,508
80 1954.....	49,610	405,128	100	69,695	491,307	295,260	524,900	597,060	100,010	897,661
81 Under \$1,000..... farms reporting 1959.....	122	706	10	118	642	540	615	850	245	800
82 1954.....	195	852	1	200	795	703	842	990	322	953
83 \$1,000 to \$2,499..... farms reporting 1959.....	5	66	...	46	85	66	125	115	17	136
84 1954.....	10	122	...	15	71	77	111	140	6	173
85 \$2,500 or more..... farms reporting 1959.....	11	21	5	2	30	15	49	57	5	62
86 1954.....	5	14	...	4	47	17	25	23	5	70
87 \$2,500 to \$4,999..... farms reporting 1959.....	11	20	...	2	30	10	38	55	1	29
88 1954.....	...	1	5	...	...	5	11	2	4	33
89 Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....	473	1,917	60	386	1,797	1,411	1,735	2,092	684	2,010
90 1954.....	690	1,847	105	545	1,718	1,408	1,796	2,258	752	2,362
91 dollars 1959.....	116,695	1,257,480	24,080	164,399	965,370	990,105	1,374,590	1,090,536	345,574	1,382,836
92 1954.....	147,725	1,133,228	7,275	181,190	818,942	820,100	1,195,421	1,075,939	324,090	1,538,558
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	136	1,492	25	229	1,392	1,171	1,414	1,797	298	1,251
94 1954.....	10,907	433,670	25,940	57,117	278,250	329,410	490,350	383,990	67,049	669,139

NA Not available.

FARM EXPENDITURES: CENSUSES OF 1959 AND 1954--Continued

a sample of farms. See text.

Martin	Meeker	Mille Lacs	Morrison	Mower	Murray	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Pennington	Pine	Pipestone	Poik	Pope	
1,809	1,087	1,003	1,768	2,090	1,123	1,000	1,191	885	1,436	1,928	544	1,111	570	2,026	730	1
1,851	836	973	1,679	2,109	1,041	793	1,152	823	1,289	1,555	560	1,097	679	1,775	663	2
194,589	63,052	27,458	58,788	182,539	93,982	82,700	110,758	152,546	95,993	107,049	84,980	29,506	46,136	485,873	44,921	3
140,628	40,530	22,772	39,590	137,378	64,468	44,104	64,482	76,468	64,989	48,388	48,821	21,375	43,080	332,046	29,980	4
17,978	5,236	2,610	4,117	16,217	6,748	7,628	7,490	6,100	8,332	7,332	3,462	2,870	2,892	25,795	3,466	5
12,246	3,194	1,910	2,728	11,699	4,511	4,380	5,086	3,726	5,125	3,569	1,966	1,852	3,297	14,870	2,494	6
1,699	1,057	993	1,763	2,050	1,103	980	1,160	874	1,386	1,913	532	1,096	565	2,003	710	7
15,017	4,820	2,569	4,052	15,392	6,315	6,852	6,881	5,985	7,624	7,144	3,321	2,774	2,685	24,546	3,130	8
413	215	50	55	148	125	255	96	33	301	35	19	61	52	74	108	9
2,961	416	41	65	825	433	776	609	115	708	188	141	96	207	1,249	336	10
601	332	185	350	181	487	360	595	301	146	990	169	267	207	514	366	11
840	281	95	237	138	459	312	672	348	85	525	169	110	241	486	286	12
12,610	6,326	3,270	4,875	4,195	12,072	6,900	12,285	14,469	2,895	26,191	7,271	4,820	5,470	21,798	8,430	13
16,235	5,800	1,045	2,500	2,420	9,400	4,901	12,669	9,270	1,745	9,640	3,381	1,395	6,095	16,435	6,265	14
586	322	185	350	176	482	360	585	301	141	985	168	262	207	501	356	15
1,591	802	287	426	459	1,156	912	1,395	748	298	2,707	416	400	544	1,227	804	16
25	10	10	...	5	10	...	10	5	5	5	1	5	...	14	10	17
101	20	4	...	5	30	...	23	5	5	15	14	5	...	101	25	18
40	5	6	45	20	6	35	25	6	56	71	11	62	15	28	15	19
65	5	15	20	20	15	22	70	11	10	23	15	15	40	15	20	20
430	10	580	295	235	160	420	425	250	1,080	1,265	52	891	300	1,880	350	21
1,170	35	65	115	635	265	240	1,255	54	45	738	145	175	2,023	2,023	225	22
35	5	60	45	15	6	35	25	6	56	71	6	57	15	23	15	23
64	1	149	40	27	16	61	53	13	96	143	1	76	20	127	20	24
5	...	...	...	5	...	...	...	5	...	...	5	5	...	5	...	25
3	...	...	...	5	...	...	...	10	...	...	5	5	...	5	...	26
1,718	983	972	1,707	2,059	933	935	1,031	507	1,391	1,427	172	945	419	499	580	27
1,599	715	933	1,583	2,093	821	613	776	373	1,249	1,165	149	957	488	410	459	28
166,314	53,040	21,301	49,038	163,579	78,445	69,405	91,638	19,466	86,525	53,747	2,299	18,710	32,650	13,231	32,050	29
97,183	28,064	18,851	32,870	114,738	47,825	28,365	43,458	9,830	55,096	33,871	2,224	15,760	29,121	8,680	18,865	30
1,578	956	962	1,697	2,013	913	915	995	506	1,336	1,417	172	935	404	483	564	31
11,871	3,701	1,859	3,227	13,657	4,886	5,236	4,975	1,090	6,761	3,246	143	1,807	1,682	726	2,113	32
393	205	45	55	123	120	255	81	6	296	25	6	51	52	17	88	33
2,781	396	37	65	746	403	747	568	12	697	133	2	76	202	168	202	34
80	50	21	35	97	35	50	25	43	46	10	1	31	10	11	21	35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
2,360	1,195	172	485	1,544	905	1,190	655	1,033	1,378	105	20	295	140	729	370	37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38
80	50	21	35	96	35	50	25	43	46	10	1	31	10	11	21	39
262	82	13	28	117	78	110	62	45	116	5	2	33	8	29	35	40
...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	41
...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	42
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43
NA	NA	1	...	...	...	...	...	31	NA	1	2	...	5	281	NA	44
...	NA	370	...	...	...	...	...	1,827	25	41	...	20	...	27,995	...	45
...	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46
...	5	1	...	...	...	...	...	31	1	2	...	5	...	280	...	47
...	1	80	...	...	...	...	...	300	3	5	...	5	...	3,482	...	48
...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	49
...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	50
289	91	130	232	245	101	185	185	679	146	374	478	283	162	1,695	98	51
12,875	2,476	1,765	4,095	12,986	2,400	4,785	5,755	115,501	4,090	25,700	75,338	4,770	7,576	420,240	3,721	52
264	91	130	232	220	101	180	180	669	141	369	471	278	157	1,678	78	53
1,229	233	181	331	1,132	179	533	396	3,789	350	1,038	2,759	453	431	18,955	158	54
26	...	...	...	...	...	...	...	5	12	10	5	10	5	57	30	55
76	...	...	...	...	...	...	...	29	18	89	6	120	10	950	109	56
21	26	132	265	573	25	...	...	...	...	...	...	...	...	...	...	57
10	11	205	472	651	10	31	...	...	...	...	...	...	...	...	...	58
915	805	1,685	3,810	19,432	1,270	...	...	...	13,836	2,800	...	591	...	15	...	59
80	176	2,505	4,400	15,742	2,005	610	...	...	10	13,593	480	...	6,233	...	80	59
1,730	1,330	3,600	5,730	46,810	910	...	...	...	...	38,435	2,565	...	13,471	...	...	60
160	35	4,280	6,357	34,685	2,550	625	...	...	5	29,987	730	...	7,808	...	...	61
2,277	2,039	1,494	2,655	2,351	1,814	1,385	1,999	1,410	2,005	5,100	848	2,086	1,195	3,086	1,466	63
2,037	1,814	1,344	2,570	2,059	1,689	1,230	1,904	1,129	1,785	4,695	686	1,796	1,119	1,866	1,315	64
2,289	1,976	1,504	2,650	2,284	1,858	1,388	2,028	1,444	1,990	5,182	868	2,062	1,203	2,614	1,514	65
5,614,342	3,169,950	1,151,675	2,620,830	4,138,420	4,344,529	2,394,300	6,082,761	868,208	3,857,560	5,723,581	924,206	1,612,275	2,342,830	1,678,067	1,773,189	66
3,688,296	2,106,877	1,234,731	1,953,520	3,125,193	2,956,940	1,241,156	3,215,977	754,340	2,407,459	4,518,177	549,747	1,226,854	2,007,987	1,540,963	1,489,296	67
1,637	1,153	622	1,309	1,437	1,444	965	1,579	646	1,169	2,659	397	845	939	1,055	874	68
8,561,964	1,251,515	299,540	651,100	3,141,794	4,725,968	1,548,550	5,629,020	907,931	2,783,360	1,863,535	367,814	496,498	3,422,778	1,514,063	841,835	69
1,555	1,347	1,001	1,882	1,345	1,235	905	1,342	851	1,344	3,434	442	1,289	837	1,726	943	70
1,962	1,765	1,258	2,263	1,692	1,482	1,143	1,813	1,249	1,627	4,552	667	1,756	1,012	2,343	1,287	71
421,277	326,160	169,530	335,045	377,673	334,775	281,570	400,820	235,468	348,039	690,670	98,458	215,800	206,960	526,712	189,930	72
461,055	442,527	163,640	368,635	468,987	381,647	295,096	501,409	291,581	434,440	803,145	146,044	207,544	255,014	713,941	290,003	73
766	710	695	1,205	641	585	410	575	433	666	2,170	261	865	386	1,053	561	74
771	616	301	672	672	630	455	742	386	658	1,234	175	409	450	578	377	75
18	21	5	5	32	20	40	25	32	20	30	6	15	1	95	5	76
1,192	884	684	1,218	1,061	864	700	953	733	975	2,369	407	851	514	1,739	679	77
1,276	1,112	675	1,385	1,203	999	808	1,142	779	1,080	2,886	507	832	767	2,017	809	78
1,018,608	472,705	127,195	279,850	783,298	482,735	392,180	475,829	593,625	853,829	960,040	193,463	201,424	308,750	3,035,440	226,355	79
860,576	538,936	162,455	313,265	670,015	496,480	511,698	407,470	559,849	605,490	1,077,714	147,049	221,752	327,791	2,267,028	275,484	80
896	735	663	1,151	905	665	565	775	574	731	2,126	347	804	405	1,204	610	81
1,035	940	652	1,323	1,046	846	625	1,011	623	935	2,579	478	796	647	1,502	751	82
176	112	20	55	122	161	115	157	111	150	196	46	45	30	196	63	83

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)	Ramsey	Red Lake	Redwood	Renville	Rice	Rock	Roseau	St. Louis	Scott	Sherburne
<b>USE OF COMMERCIAL FERTILIZER AND LIME</b>										
1 Commercial fertilizer and fertilizing materials used during the year..... farms reporting 1959...	93	476	1,346	1,805	1,157	646	770	330	715	567
2 1954.....	175	408	1,224	1,424	972	617	1,115	491	495	598
3 acres on which used 1959.....	1,912	52,099	104,199	160,429	65,399	48,180	66,475	5,819	30,670	36,965
4 1954.....	1,245	31,303	63,596	82,931	41,239	37,375	110,272	4,445	12,540	27,550
5 tons 1959.....	308	2,222	9,111	15,575	5,790	3,195	3,347	842	3,242	3,761
6 1954.....	194	1,527	5,902	7,316	3,726	2,760	5,254	580	1,034	2,121
7 Dry materials..... farms reporting 1959.....	93	471	1,240	1,758	1,032	616	770	320	630	557
8 tons 1959.....	300	2,222	7,841	13,537	5,028	3,035	3,347	791	2,474	3,553
9 Liquid materials..... farms reporting 1959.....	5	...	239	312	305	105	...	15	300	125
10 tons 1959.....	8	...	1,270	2,038	762	160	...	51	768	208
<b>Crops on which used—</b>										
11 Hay and cropland pasture..... farms reporting 1959.....	15	204	536	693	196	180	303	148	125	202
12 1954.....	10	127	507	676	140	225	234	81	105	268
13 acres 1959.....	370	8,523	9,535	13,365	3,275	4,855	12,580	2,902	3,835	4,730
14 1954.....	110	3,059	7,215	10,560	2,580	5,070	7,288	585	1,135	4,355
15 Dry materials..... farms reporting 1959.....	15	204	511	688	196	180	303	138	120	202
16 tons 1959.....	73	412	1,055	1,558	397	398	883	435	432	484
17 Liquid materials..... farms reporting 1959.....	...	...	25	5	...	...	...	10	15	...
18 tons 1959.....	...	...	40	2	...	...	...	41	116	...
19 Other pasture (not cropland)..... farms reporting 1959.....	5	20	10	40	55	5	21	30	30	45
20 1954.....	...	20	25	53	35	41	39	15	...	20
21 acres 1959.....	25	275	140	1,195	505	50	365	390	345	470
22 1954.....	...	240	670	1,026	1,145	1,525	764	85	...	150
23 Dry materials..... farms reporting 1959.....	5	20	10	40	55	5	21	25	30	45
24 tons 1959.....	3	12	15	83	55	5	29	34	46	85
25 Liquid materials..... farms reporting 1959.....	...	...	...	...	...	...	...	5	...	...
26 tons 1959.....	...	...	...	...	...	...	...	10	...	...
27 Corn..... farms reporting 1959.....	55	170	1,091	1,550	1,102	571	67	10	640	542
28 1954.....	55	183	894	1,004	876	472	77	23	395	498
29 acres 1959.....	1,165	3,985	87,388	125,307	56,974	40,225	948	60	24,400	26,500
30 1954.....	655	3,161	45,306	50,694	30,515	22,930	1,691	178	9,730	18,540
31 Dry materials..... farms reporting 1959.....	55	170	974	1,493	972	536	67	10	550	532
32 tons 1959.....	148	243	6,069	9,909	4,195	2,392	61	17	1,817	2,230
33 Liquid materials..... farms reporting 1959.....	5	...	224	302	305	105	...	...	290	125
34 tons 1959.....	8	...	1,188	1,971	742	160	...	...	607	208
35 Soybeans..... farms reporting 1959.....	...	10	25	91	40	5	...	...	25	56
36 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37 acres 1959.....	...	250	1,175	3,210	930	165	...	...	425	1,225
38 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39 Dry materials..... farms reporting 1959.....	...	10	25	81	35	5	...	...	25	56
40 tons 1959.....	...	8	68	260	64	10	...	...	33	67
41 Liquid materials..... farms reporting 1959.....	...	...	...	10	5	...	...	...	5	...
42 tons 1959.....	...	...	...	15	10	...	...	...	12	...
43 Irish potatoes..... farms reporting 1959.....	...	11	...	...	...	...	26	50	...	15
44 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 acres 1959.....	...	250	...	...	...	...	220	175	...	670
46 1954.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
47 Dry materials..... farms reporting 1959.....	...	11	...	...	...	...	26	50	...	15
48 tons 1959.....	...	40	...	...	...	...	27	69	...	305
49 Liquid materials..... farms reporting 1959.....	...	...	...	...	...	...	...	...	...	...
50 tons 1959.....	...	...	...	...	...	...	...	...	...	...
51 All other crops..... farms reporting 1959.....	53	345	196	379	140	90	617	167	45	100
52 acres 1959.....	352	38,816	5,961	17,352	3,715	2,885	52,362	2,292	1,665	3,370
53 Dry materials..... farms reporting 1959.....	53	345	181	378	135	90	617	167	40	100
54 tons 1959.....	76	1,507	634	1,727	317	230	2,347	236	146	382
55 Liquid materials..... farms reporting 1959.....	...	...	15	16	5	...	...	...	10	...
56 tons 1959.....	...	...	42	50	10	...	...	...	33	...
57 Lime or liming materials used during the year..... farms reporting 1959.....	15	...	25	5	181	5	...	86	85	191
58 1954.....	35	...	5	15	190	5	1	323	100	302
59 acres limed 1959.....	270	...	465	20	5,885	35	...	1,020	1,555	3,440
60 1954.....	245	...	5	30	2,720	10	20	2,745	1,150	3,851
61 tons 1959.....	685	...	745	60	6,610	35	...	1,790	2,885	6,705
62 1954.....	480	...	5	60	5,295	5	2	5,465	1,565	7,154
<b>SPECIFIED FARM EXPENDITURES</b>										
63 Any of the following specified expenditures..... farms reporting 1959.....	223	672	2,437	2,797	2,060	1,241	1,715	2,108	1,296	858
64 1954.....	130	565	2,207	2,345	1,920	1,197	1,154	1,693	1,166	693
65 Feed for livestock and poultry..... farms reporting 1959.....	245	730	2,361	2,708	2,061	1,347	1,438	3,075	1,351	911
66 dollars 1959.....	488,565	484,710	4,563,180	5,351,390	3,753,552	3,886,470	1,047,980	937,755	2,279,620	868,450
67 1954.....	202,975	418,694	3,404,145	4,159,433	2,631,675	2,513,005	757,637	1,431,995	1,770,840	806,946
68 Purchase of livestock and poultry..... farms reporting 1959.....	95	260	1,867	1,750	1,269	972	670	668	821	371
69 dollars 1959.....	79,700	174,499	4,794,250	4,807,143	1,358,128	3,927,440	386,838	278,757	540,550	219,785
70 Machine hire..... farms reporting 1959.....	90	394	1,655	1,851	1,423	836	654	596	915	451
71 1954.....	130	584	2,035	2,209	1,831	1,077	1,029	1,527	1,110	766
72 dollars 1959.....	10,175	101,245	453,660	547,755	359,685	235,465	137,537	59,405	234,165	74,790
73 1954.....	14,400	141,297	468,542	559,378	411,935	299,720	221,676	122,810	306,865	134,847
74 Under \$200..... farms reporting 1959.....	75	220	775	745	680	380	432	510	440	315
75 \$200 to \$999..... farms reporting 1959.....	15	169	834	1,033	716	440	212	86	460	135
76 \$1,000 or more..... farms reporting 1959.....	...	5	46	73	27	16	10	...	15	1
77 Hired labor..... farms reporting 1959.....	113	271	1,017	1,241	890	637	587	442	641	278
78 1954.....	150	349	1,153	1,377	1,188	772	650	852	666	381
79 dollars 1959.....	878,045	125,430	565,825	1,072,745	438,226	385,660	181,746	178,090	449,125	161,940
80 1954.....	402,800	149,206	577,015	782,995	572,915	408,605	288,308	315,175	286,080	133,508
81 Under \$1,000..... farms reporting 1959.....	40	234	831	967	805	530	547	403	540	225
82 1954.....	95	313	971	1,134	1,056	605	579	791	585	348
83 \$1,000 to \$2,499..... farms reporting 1959.....	15	30	140	183	56	86	32	26	71	31
84 1954.....	10	17	141	191	95	141	56	37	75	27
85 \$2,500 or more..... farms reporting 1959.....	58	7	46	91	29	21	8	13	30	22
86 1954.....	45	19	41	52	37	26	15	24	6	6
87 \$2,500 to \$4,999..... farms reporting 1959.....	20	1	33	47	15	15	6	11	20	15
88 \$5,000 or more..... farms reporting 1959.....	38	6	13	44	14	6	2	2	10	7
89 Gasoline and other petroleum fuel and oil for the farm business..... farms reporting 1959.....	193	652	2,387	2,732	2,035	1,217	1,684	2,068	1,296	823
90 1954.....	365	810	2,473	2,832	1,998	1,342	1,968	2,878	1,381	953
91 dollars 1959.....	157,510	362,713	1,782,530	2,246,616	1,105,236	772,560	780,915	369,320	660,225	322,850
92 1954.....	100,330	431,910	1,502,383	1,975,376	933,180	734,250	1,043,408	484,862	601,410	315,178
93 Seeds, bulbs, plants, and trees..... farms reporting 1959.....	143	335	1,896	1,805	1,584	771	850	668	971	512
94 dollars 1959.....	562,720	83,045	606,710	556,530	334,327	234,295	156,675	30,730	197,150	87,430

NA Not available.

FARM EXPENDITURES: CENSUSES OF 1959 AND 1954-Continued

a sample of farms. See text.]

Sibley	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena	Waseca	Washing- ton	Watsonwan	Wilkin	Winona	Wright	Yellow Medicine	
1,173	1,711	1,255	760	1,050	1,725	483	936	545	916	822	1,004	841	1,052	1,166	1,134	1
913	1,107	1,119	628	899	1,512	380	848	380	695	917	898	487	1,018	821	866	2
84,060	86,645	96,577	80,825	107,162	58,460	80,159	49,500	22,315	78,455	46,239	111,310	178,957	58,927	53,455	92,705	3
40,337	39,157	55,088	38,653	49,168	37,510	24,942	39,935	14,305	35,690	35,908	55,478	35,962	47,042	27,915	42,999	4
7,904	7,376	8,438	6,053	8,368	3,858	3,657	4,445	1,494	7,887	4,677	10,602	7,050	5,785	5,217	8,878	5
3,913	3,149	4,990	3,289	4,078	2,438	1,729	3,010	780	3,765	3,064	5,338	2,153	3,995	2,572	3,837	6
1,147	1,671	1,190	665	1,019	1,700	483	891	545	896	812	924	841	1,027	1,101	1,088	7
6,845	6,867	7,131	4,869	7,573	3,683	3,496	3,999	1,479	7,046	4,062	9,198	7,050	5,430	4,679	6,940	8
237	201	217	218	137	105	41	225	20	215	135	318	...	158	236	357	9
1,059	509	1,307	1,184	795	175	161	446	15	841	615	1,404	...	355	538	1,938	10
426	448	251	316	511	345	207	85	180	166	134	422	265	176	205	341	11
378	255	150	320	425	230	174	70	35	133	156	400	197	108	100	347	12
7,770	11,017	5,473	6,970	12,565	6,060	5,100	2,725	4,115	2,325	3,815	7,670	12,862	5,282	4,105	6,625	13
4,975	4,677	2,005	6,416	11,294	3,095	4,793	1,500	895	1,873	2,565	6,930	5,560	2,300	1,105	6,080	14
426	438	241	296	511	340	202	80	180	166	119	387	265	176	195	331	15
1,001	1,251	511	611	1,219	364	231	479	295	295	334	1,120	742	682	461	631	16
5	10	10	20	5	5	5	5	...	5	5	35	...	10	15	10	17
4	13	20	26	10	25	5	25	...	55	61	...	...	12	11	33	18
40	91	40	15	40	25	10	25	15	25	47	30	25	65	76	15	19
36	41	...	48	20	...	12	15	...	20	20	15	4	26	45	16	20
675	2,500	685	265	1,125	180	355	205	200	170	840	310	435	935	1,070	370	21
625	870	55	1,465	300	...	315	160	...	305	305	125	230	483	555	218	22
140	81	35	15	40	25	10	15	15	25	47	25	25	55	76	15	23
83	203	39	40	65	29	9	12	11	22	128	61	23	173	94	58	24
...	...	5	...	...	...	...	10	...	...	...	5	...	10	...	...	25
...	53	4	...	...	...	...	8	...	...	...	...	...	3	...	...	26
1,047	1,561	1,214	565	920	1,650	331	916	490	866	795	954	553	1,001	1,076	969	27
689	981	1,073	390	580	1,422	211	793	365	574	817	803	270	988	706	640	28
66,939	66,793	74,992	52,935	82,912	49,600	30,545	41,630	16,050	67,285	36,730	96,770	31,983	48,641	45,160	76,690	29
26,508	31,035	42,655	21,547	31,199	32,845	10,408	29,390	12,745	24,970	26,633	41,855	13,087	34,780	22,330	30,963	30
1,006	1,521	1,139	505	874	1,630	326	871	490	831	775	878	553	971	996	883	31
5,268	4,726	5,323	3,291	5,486	2,842	1,459	3,356	861	5,859	3,268	7,493	1,728	4,062	3,575	5,411	32
226	181	202	158	137	100	36	220	15	215	120	268	...	158	226	352	33
753	433	1,189	861	770	145	139	433	11	827	475	1,290	...	340	505	1,905	34
40	85	156	51	46	25	32	25	5	40	20	65	70	25	30	35	35
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36
1,035	2,130	7,225	1,960	1,140	440	1,395	510	95	645	430	2,340	3,794	435	330	1,330	37
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38
40	85	136	41	46	25	32	25	5	40	20	55	70	25	30	35	39
67	204	372	89	79	25	78	35	2	43	22	146	155	48	54	127	40
...	...	20	10	...	...	...	...	...	...	...	15	...	...	...	...	41
...	...	30	18	...	...	...	...	...	...	...	20	...	...	...	...	42
5	10	21	...	10	...	5	...	...	...	5	...	21	...	5	5	43
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44
5	100	1,130	...	70	...	5	...	...	...	15	...	1,190	...	800	75	45
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46
5	10	16	...	10	...	5	...	...	5	...	21	...	5	5	5	47
1	15	275	...	20	...	1	...	...	...	2	...	153	...	300	8	48
...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	49
...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	50
127	150	235	315	241	105	347	125	90	310	173	176	684	133	86	205	51
7,636	4,105	7,072	18,695	9,350	2,180	42,759	4,430	1,855	8,030	4,409	4,220	128,693	3,634	1,990	7,615	52
126	145	205	255	236	100	337	125	85	305	158	166	684	133	86	205	53
425	468	611	898	704	175	1,585	365	126	827	308	378	4,249	465	195	705	54
12	5	30	75	5	5	10	...	5	10	15	15	...	...	5	...	55
302	10	61	279	15	5	17	...	4	12	85	...	...	...	22	...	56
...	268	140	...	...	35	...	385	95	56	364	10	...	546	80	...	57
15	165	96	...	10	25	...	562	90	55	545	10	3	750	95	...	58
...	7,035	2,800	...	...	510	...	12,390	2,050	963	7,237	155	...	12,997	1,535	...	59
110	3,545	1,965	...	60	130	...	11,710	1,820	580	7,378	16	...	14,160	995	...	60
...	13,385	6,305	...	...	675	...	26,310	2,275	2,450	16,530	125	...	31,905	3,270	...	61
215	4,235	3,660	...	70	185	...	24,480	1,925	960	15,260	145	...	30,810	1,740	...	62
1,983	4,151	1,777	1,163	1,646	2,975	912	1,403	1,097	1,496	1,199	1,286	1,105	1,650	3,051	1,975	63
1,851	4,011	1,629	1,022	1,434	2,755	704	1,336	941	1,341	1,013	1,211	776	1,524	2,746	1,740	64
1,892	4,058	1,702	1,031	1,637	3,137	824	1,492	1,092	1,515	1,284	1,321	897	1,602	2,741	1,879	65
4,372,700	6,395,037	2,896,375	2,125,630	2,131,640	2,286,640	749,688	2,183,495	821,380	2,171,555	2,439,990	3,975,575	881,398	2,513,247	3,567,660	3,234,885	86
2,156,304	3,851,855	2,785,240	995,775	1,665,185	1,943,115	638,825	1,968,910	1,180,220	1,580,877	1,061,628	2,394,580	622,537	1,966,515	2,718,163	2,190,105	67
1,491	2,703	1,103	750	979	1,440	548	846	505	956	631	976	524	1,016	1,801	1,284	68
1,904,205	1,954,231	855,845	2,722,539	1,640,610	713,375	639,728	969,755	304,100	883,010	2,248,346	3,290,456	389,847	964,007	1,287,500	2,437,595	69
1,297	2,982	1,204	749	1,000	2,010	500	910	727	1,026	688	838	738	1,024	2,091	1,302	70
1,607	3,633	1,427	952	1,478	2,727	737	1,148	887	1,178	1,142	1,094	772	1,225	2,285	1,741	71
330,940	607,885	316,746	196,209	225,840	383,615	131,485	215,575	102,098	295,285	163,073	243,165	252,876	261,301	468,675	305,345	72
376,486	804,990	345,410	285,351	404,720	580,845	183,527	243,060	90,757	307,504	221,771	296,865	237,850	229,595	495,755	459,910	73
685	1,751	610	352	540	1,200	290	510	556	485	361	366	349	577	1,150	666	74
596	1,228	563	381	450	805	188	385	171	520	310	451	352	420	916	630	75
16	3	31	16	10	5	22	15	...	21	17	37	27	25	6	76	76
903	2,005	852	501	716	1,245	402	776	385	686	589	591	564	843	1,476	745	77
1,098	2,183	815	609	959	1,477	600	873	446	824	759	725	555	888	1,350	1,123	78
596,175	1,111,901	519,948	223,300	319,220	289,795	209,025	595,325	91,320	326,775	812,828	375,925	430,833	814,151	686,430	299,978	79
472,912	940,150	413,385	313,737	370,155	423,300	272,370	450,740	169,885	424,031	493,183	503,210	303,346	596,280	607,605	391,830	80
705	1,747	737	426	602	1,185	329	610	360	590	455	455	454	626	1,325	655	81
967	1,961	730	523	884	1,406	508	722	406	685	626	585	464	673	1,185	1,025	82
131	207	65	71	100	50	56	135	25	55	76	105	70	170	100	77	83