

Table IV.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, BY SUBREGIONS, BY GENERALIZED TYPE-OF-FARMING AREAS: 1954

[See map on page XIV for location of generalized type-of-farming areas and subdivisions, and map on page XIII for location of subregions]

Generalized type-of-farming area, subregion and type-of-farming subdivision	Area number on map	Fertilizer									
		All crops and all pasture fertilized		Hay and cropland pasture fertilized		Other pasture fertilized		All crops fertilized except hay		Corn fertilized	
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)
United States, total.....	...	18,953,360	309	2,000,860	302	649,245	304	16,219,012	308	6,017,805	259
FRUIT, TRUCK, AND MIXED FARMING AREA											
Total.....	I	2,764,423	548	200,265	342	104,803	323	2,453,789	593	240,527	397
Subregions:											
5, 14 and 15 (Atlantic Sandy Coastal Plain).....	...	651,546	660	64,541	464	9,440	428	575,748	698	159,448	461
39 (Central and Southern Florida).....	...	836,124	146	25,313	370	68,629	313	741,983	1,704	2,251	417
58 (Gulf Coast).....	...	170,977	493	26,489	415	13,987	399	129,905	523	47,045	422
50 (Eastern Shore, Lake Michigan).....	...	94,946	296	6,454	269	557	262	87,297	295	24,266	221
82 (Ozark Plateau).....	...	54,251	206	11,225	225	1,652	220	40,940	198	6,849	199
99 (Lower Rio Grande Valley).....	...	35,981	265	1,555	155	263	334	34,224	273	668	228
116 and 117 (San Joaquin Valley and Central California Coast).....	...	558,595	392	26,917	283	8,638	262	521,597	401	(NA)	(NA)
114 and 115 (Southern California, Southern Arizona).....	...	362,003	431	37,771	280	1,637	300	322,095	460	(NA)	(NA)
Total.....	II	359,675	189	73,164	188	7,610	169	278,192	189	25,273	146
Subregions:											
83 (Osage-Flint Hills).....	...	90,981	133	10,636	177	2,662	176	77,565	127	10,441	129
98 (Rio Grande Plains).....	...	32,311	180	7,765	155	772	122	23,720	192	3,308	132
100, 102, and 107 (Southern High Plains; Edwards Plateau).....	...	29,237	228	7,761	240	304	140	21,135	226	1,079	204
104 (Northern Great Plains; Sand Hills).....	...	8,922	143	2,163	146	106	111	6,639	142	1,750	111
108 (Southwestern semi-desert).....	...	48,265	283	10,809	247	33	172	37,276	294	324	326
109 and 113 (Great Basin; Colorado Plateau and Southwest).....	...	101,110	233	26,819	187	3,106	185	70,984	260	1,274	212
106 (Northern Great Plains).....	...	48,849	200	7,211	164	627	174	40,873	208	7,097	181
Total.....	III	335,385	90	21,863	133	2,763	131	310,005	88	15,121	98
Subregions:											
89 (Red River Valley).....	...	84,793	86	5,349	134	591	138	78,706	84	5,841	103
90, 91, and 105 (Northern Plains).....	...	35,919	54	2,840	102	418	100	32,677	52	4,436	83
94 (Central Kansas and Oklahoma).....	...	70,227	86	5,023	126	457	102	64,429	84	2,912	104
103 (Central and Southern High Plains).....	...	45,523	125	3,099	143	343	130	42,019	123	1,932	117
110 (Columbia River Basin).....	...	98,923	111	5,552	159	954	174	92,174	109	...	...
Total.....	IV	3,005,667	331	378,590	332	73,116	344	2,536,535	328	895,607	267
Subregions:											
1, 2, 6, 7, 8, and 10 (Northern New England, Central Northeast)	...	529,427	522	94,749	378	13,398	379	418,318	573	95,626	369
3, 4, 9, 11, 12, 13, 16, 17, and 19 (Northeast Metropolitan Areas).....	...	949,046	436	136,404	412	36,328	401	769,761	439	257,895	372
27 and 28 (Lake Erie Border, Southwest Pennsylvania).....	...	341,874	339	32,685	334	9,287	332	297,932	337	122,216	325
49 and 64 (Southeast Michigan, Northeast Illinois, Northwest Indiana).....	...	527,879	255	39,079	271	2,313	279	482,629	252	197,071	230
65, 67, and 68 (Central Wisconsin cut-over fringe).....	...	405,931	211	33,439	250	4,152	244	367,026	206	207,535	190
66 (Lake States cut-over).....	...	77,114	282	8,237	241	704	242	68,077	287	15,264	198
111, 118, and 119 (Northern Pacific Coast, Willamette Valley)	...	174,396	287	33,997	230	6,934	230	132,792	309	(NA)	(NA)
Total.....	V	3,868,959	219	320,096	272	53,472	249	3,468,919	213	2,194,984	208
Subregions:											
47, 48, and 51 (Western Ohio, Central and Southwestern Indiana)	...	1,563,584	255	94,043	277	14,492	279	1,441,891	252	847,502	254
63 (Eastern Illinois cash-grain).....	...	428,252	311	41,544	527	4,730	440	377,936	294	245,968	276
69 and 86 (Iowa, Minnesota, Illinois, Wisconsin Border).....	...	555,296	182	55,705	248	5,311	223	491,630	174	368,743	166
70 (Eastern Iowa, Western Illinois).....	...	226,964	229	22,350	397	2,772	323	200,795	216	143,300	202
71 (Southern Iowa, Northern Missouri, West Central Illinois).....	...	370,147	235	34,177	310	9,442	305	324,465	226	205,264	225
84 and 85 (Central Missouri River Valley).....	...	506,837	167	47,173	207	13,539	203	443,435	161	255,905	165
92 and 93 (Western Corn Belt Fringe).....	...	137,217	136	9,070	166	2,362	144	125,129	133	81,914	139
87 and 88 (Northwestern Corn Belt Fringe, Minnesota cut-over dairy).....	...	80,662	157	16,034	196	824	153	63,638	149	46,388	146
Total.....	VI	2,084,610	341	354,698	330	97,633	347	1,621,740	341	777,469	291
Subregions:											
18 and 20 (Central Virginia and Appalachian Valley).....	...	133,841	442	33,742	462	14,421	467	84,926	426	33,767	394
22 and 37 (Atlantic Coast).....	...	345,533	606	22,928	458	9,422	459	311,882	628	142,745	466
26, 29, 30, 31, 32, 33, 44, 46, 54, and 54 (Upper Ohio and Appalachian Valleys, Tennessee Basin, and Kentucky coal fields)	...	1,125,807	356	224,217	334	61,602	333	834,115	360	444,258	296
62 and 72 (Southern Illinois Dairy, Livestock and Poultry).....	...	252,356	217	22,125	336	5,445	328	223,267	207	127,281	199
73 (Ozark Mountains and Border).....	...	119,027	229	27,083	265	4,328	273	86,672	216	29,418	214
112 (Central Utah, Southern Idaho).....	...	108,046	276	24,603	218	2,415	187	80,878	304	(NA)	(NA)
Total.....	VII	4,397,108	339	479,326	300	226,849	284	3,675,465	348	1,181,963	301
Subregions:											
34 and 42 (Southern Piedmont).....	...	726,949	398	114,708	347	55,043	315	554,220	422	171,253	353
23, 35, 36, 38, 40, and 43 (Central and Lower Coastal Plains).....	...	1,438,063	457	119,300	360	64,991	359	1,250,384	477	452,325	332
55 and 56 (Upper Coastal Plains, Limestone Valleys).....	...	384,904	398	37,542	393	16,931	340	329,031	402	144,783	312
57 and 59 (Alabama-Mississippi Black Belt, Gulf Coast Piney Woods).....	...	457,382	365	67,966	337	36,064	309	352,264	378	146,073	297
60 and 61 (Western Tennessee, Northern Mississippi).....	...	382,742	328	25,615	298	9,292	256	345,799	331	116,923	259
74 and 81 (Arkansas River Valley, Western Sandy Coastal Plains)	...	58,211	249	11,520	243	3,623	214	42,915	252	10,767	236
75 and 76 (Delta and Gulf Coastal Plains).....	...	573,466	228	23,788	199	7,860	153	538,785	230	76,950	218
80 (Gulf Coastal Plains).....	...	208,990	258	36,545	244	20,662	218	150,991	268	48,930	250
101 (Oklahoma-Texas Rolling Plains).....	...	24,823	113	4,178	150	733	117	19,848	107	361	158
95, 96, and 97 (Mixed Prairie, Cross Timbers and Grand Prairie)	...	141,578	169	38,164	183	11,650	162	91,228	163	13,598	172
Total.....	VIII	1,065,322	563	100,154	356	28,414	382	932,545	609	328,684	380
Subregions:											
45 (Central Kentucky—Barley).....	...	169,386	655	25,493	345	4,469	287	138,620	816	36,353	396
53 (Kentucky-Tennessee—Dark).....	...	156,413	327	22,840	289	3,862	291	128,789	335	69,656	252
24 and 25 (Piedmont and Central Coastal Plains, Flue-cured)...	...	739,523	640	51,821	404	20,083	440	665,136	681	222,675	448
Total.....	IX	1,072,211	359	72,704	348	54,585	331	941,822	362	358,177	366
Subregions:											
77 and 78 (Gulf Coast, Texas, and Louisiana).....	...	181,674	201	10,921	225	5,997	226	164,299	198	13,945	196
79 (Texas-Louisiana cut-over).....	...	28,530	272	8,318	295	3,585	215	16,506	275	6,671	287
21 (Northern Coastal Plains).....	...	239,411	614	11,938	567	5,059	571	221,349	618	116,136	618
41 (Southern Coastal Plains).....	...	622,596	393	41,527	372	39,944	354	539,668	398	221,425	318

NA Not available.

USE OF FERTILIZER AND LIME

XXIII

Table IV.—USE OF FERTILIZER FOR SPECIFIED CROPS AND USE OF LIME, BY SUBREGIONS, BY GENERALIZED TYPE-OF-FARMING AREAS: 1954—Continued

[See map on page XIV for location of generalized type-of-farming areas and subdivisions, and map on page XIII for location of subregions]

Generalized type-of-farming area, subregion and type-of-farming subdivision	Area number on map	Fertilizer—Continued						Lime		
		Cotton fertilized		Fruits, vegetables, and potatoes fertilized		Other crops fertilized except hay		Acres limed	Percent of total cropland plus improved pasture limed	Quantity used per acre limed (pounds)
		Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)	Total quantity used (tons)	Quantity used per acre (pounds)			
United States, total.....	...	1,827,348	374	2,680,296	850	5,693,563	267	10,502,965	2.2	3,290
FRUIT, TRUCK, AND MIXED FARMING AREA										
Total.....	I	235,690	355	1,532,542	1,103	445,030	301	953,047	3.7	1,998
Subregions:										
5, 14, and 15 (Atlantic Sandy Coastal Plain).....	...	...	...	303,758	1,424	112,542	417	351,303	10.6	1,739
39 (Central and Southern Florida).....	...	104	756	711,651	1,802	27,977	800	386,694	15.0	1,583
58 (Gulf Coast).....	...	13,069	567	54,541	705	15,250	420	65,312	4.9	1,795
50 (Eastern Shore, Lake Michigan).....	...	...	...	32,218	480	30,813	259	53,863	3.2	3,867
82 (Ozark Plateau).....	...	6	160	1,939	386	32,146	192	26,023	1.7	3,488
99 (Lower Rio Grande Valley).....	...	18,197	239	14,474	333	885	318	1,050	0.1	1,610
116 and 117 (San Joaquin Valley and Central California Coast).....	...	120,920	368	253,152	672	147,525	248	63,337	0.6	3,976
114 and 115 (Southern California, Southern Arizona).....	...	83,394	354	160,809	759	77,892	309	5,465	0.1	2,134
RANGE LIVESTOCK AREA										
Total.....	II	46,504	266	43,335	385	163,080	161	83,544	0.2	3,710
Subregions:										
83 (Osage-Flint Hills).....	...	541	152	295	295	66,288	126	75,750	1.7	3,890
98 (Rio Grande Plains).....	...	3,845	187	10,558	291	6,009	144	121	(2)	999
100, 102, and 107 (Southern High Plains; Edwards Plateau).....	...	10,531	259	1,467	338	8,058	186	430	(2)	930
104 (Northern Great Plains; Sand Hills).....	...	...	...	43	242	4,846	158	813	(2)	2,197
108 (Southwestern semi-desert).....	...	31,520	288	2,023	416	3,409	300	901	0.1	3,587
109 and 113 (Great Basin; Colorado Plateau and Southwest).....	...	67	292	25,819	469	43,824	207	4,567	(2)	1,843
106 (Northern Great Plains).....	...	...	...	3,130	289	30,646	209	962	(2)	1,335
WHEAT AND SMALL GRAINS AREA										
Total.....	III	6,023	185	22,936	255	265,925	82	45,151	(2)	3,318
Subregions:										
89 (Red River Valley).....	...	...	...	10,692	210	62,173	75	191	(2)	1,738
90, 91 and 105 (Northern Plains).....	...	...	...	447	174	27,794	48	415	(2)	1,017
94 (Central Kansas and Oklahoma).....	...	726	151	168	184	60,623	82	41,881	0.5	3,353
103 (Central and Southern High Plains).....	...	5,297	190	2,724	464	32,066	110	2,534	(2)	3,383
110 (Columbia River Basin).....	...	...	...	8,905	301	83,269	102	130	(2)	462
DAIRY AREA										
Total.....	IV	...	...	571,650	809	1,069,278	291	2,573,015	4.7	3,090
Subregions:										
1, 2, 6, 7, 8, and 10 (Northern New England, Central Northeast).....	...	...	...	215,427	1,362	107,265	343	529,381	5.5	2,717
3, 4, 9, 11, 12, 13, 16, 17, and 19 (Northeast Metropolitan Areas).....	...	...	...	170,681	842	341,185	397	679,402	7.2	2,469
27 and 28 (Lake Erie border, Southwest Pennsylvania).....	...	...	...	33,207	746	142,509	308	518,475	9.9	3,391
49 and 64 (Southeast Michigan, Northeast Illinois, Northwest Indiana).....	...	...	...	41,008	641	244,550	247	207,229	2.5	3,467
65, 67, and 68 (Central Wisconsin cut-over fringe).....	...	...	...	31,105	381	128,386	211	516,525	3.6	3,794
66 (Lake States cut-over).....	...	...	...	18,752	756	34,061	252	72,261	1.9	3,684
111, 118, and 119 (Northern Pacific Coast, Willamette Valley).....	...	...	...	61,470	470	71,322	239	49,742	1.1	2,660
FEED GRAINS AND LIVESTOCK AREA (CORN BELT)										
Total.....	V	(NA)	(NA)	52,140	413	1,221,795	216	3,574,606	2.9	4,135
Subregions:										
47, 48, and 51 (Western Ohio, Central and Southwestern Indiana).....	...	(NA)	(NA)	30,420	558	563,969	243	1,122,217	5.1	3,839
63 (Eastern Illinois east-grain).....	...	...	...	3,280	372	128,688	334	447,953	5.0	4,161
69 and 86 (Iowa, Minnesota, Illinois, Wisconsin Border).....	...	...	...	12,652	306	110,235	196	352,214	1.8	5,189
70 (Eastern Iowa, Western Illinois).....	...	...	...	1,456	335	56,039	259	504,507	5.4	4,217
71 (Southern Iowa, Northern Missouri, West Central Illinois).....	...	...	...	1,427	298	117,774	227	599,297	5.2	4,333
84 and 85 (Central Missouri River Valley).....	...	...	...	1,712	223	185,818	156	436,291	1.9	3,847
92 and 93 (Western Corn Belt Fringe).....	...	...	...	223	271	42,992	122	81,037	0.5	3,442
87 and 88, Northwestern Corn Belt fringe, Minnesota cut-over dairy).....	...	...	...	970	242	16,280	152	31,090	0.3	3,181
GENERAL FARMING AREA										
Total.....	VI	16,092	517	138,459	627	689,720	376	1,529,736	3.9	3,633
Subregions:										
18 and 20 (Central Virginia and Appalachian Valley).....	...	...	...	8,708	385	42,451	466	73,901	4.7	3,143
22 and 37 (Atlantic Coast).....	...	13,312	601	45,651	1,253	110,174	834	75,970	4.6	1,673
26, 29, 30, 31, 32, 33, 44, 46, 52, and 54 (Upper Ohio and Appalachian Valleys, Tennessee Basin, and Kentucky coal fields).....	...	1,050	463	54,646	628	334,161	461	1,054,336	5.4	3,465
62, 72 (Southern Illinois Dairy, Livestock and Poultry).....	...	36	229	3,750	215	92,200	215	255,414	3.9	4,939
73 (Ozark Mountains and Border).....	...	1,694	259	1,581	443	53,979	212	69,810	1.7	4,064
112 (Central Utah, Southern Idaho).....	...	...	...	24,123	397	56,755	277	305	(2)	1,193
COTTON AREA										
Total.....	VII	1,377,537	374	247,530	632	868,435	342	1,141,380	1.6	1,949
Subregions:										
34 and 42 (Southern Piedmont).....	...	159,394	587	33,515	616	190,058	378	320,830	4.7	1,688
23, 35, 36, 38, 40, and 43 (Central and Lower Coastal Plains).....	...	311,836	573	130,479	855	355,744	632	250,957	2.5	1,791
55 and 56 (Upper Coastal Plains, Limestone Valleys).....	...	154,635	526	15,351	699	14,262	359	83,383	2.6	2,022
57 and 59 (Alabama-Mississippi Black Belt, Gulf Coast Piney Woods).....	...	169,106	477	13,312	602	23,773	368	138,425	2.6	1,651
60 and 61 (Western Tennessee, Northern Mississippi).....	...	112,615	428	6,218	622	110,043	342	96,280	1.8	2,073
74 and 81 (Arkansas River Valley, Western Sandy Coastal Plains).....	...	16,318	267	5,348	372	10,482	214	27,571	1.0	2,705
75 and 76 (Delta and Gulf Coastal Plains).....	...	369,748	249	11,810	370	80,277	172	144,154	1.3	2,784
80 (Gulf Coastal Plains).....	...	57,165	256	24,872	420	20,024	236	49,021	0.9	1,903
101 (Oklahoma-Texas Rolling Plains).....	...	7,835	105	541	224	11,111	105	2,010	(2)	1,740
95, 96, and 97 (Mixed Prairie, Cross-Timbers, and Grand Prairie).....	...	18,885	166	6,084	269	52,661	153	28,749	0.2	2,209
TOBACCO AND GENERAL FARMING AREA										
Total.....	VIII	...	...	25,475	790	578,386	911	367,549	3.9	3,633
Subregions:										
45 (Central Kentucky—Burley).....	...	...	...	881	808	101,386	1,319	105,738	3.3	4,897
53 (Kentucky-Tennessee—Dark).....	...	(NA)	(NA)	1,266	703	57,867	540	172,843	6.4	3,658
24 and 25 (Piedmont and Central Coastal Plains, Blue-cured).....	...	...	...	23,328	795	419,133	929	88,968	2.4	2,082
SPECIAL CROPS AND GENERAL FARMING AREA										
Total.....	IX	145,502	480	46,229	559	391,914	317	234,937	2.1	1,449
Subregions:										
77 and 78 (Gulf Coast, Texas, and Louisiana).....	...	10,693	209	5,044	298	134,617	195	13,309	0.3	1,823
79 (Texas-Louisiana cut-over).....	...	5,669	262	1,236	417	2,930	240	11,010	1.3	2,125
21 (Northern Coastal Plains).....	...	...	...	5,269	863	99,944	610	51,304	5.0	1,301
41 (Southern Coastal Plains).....	...	129,140	561	34,680	611	154,423	414	159,314	3.6	1,418

NA Not available. Z 0.05 percent or less.