

ILLINOIS STATE GEOLOGICAL SURVEY
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State of Illinois
Henry Horner, Governor
Department of Registration and Education
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Division of the
S T A T E G E O L O G I C A L S U R V E Y
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Urbana, Illinois

No. 61

C I R C U L A R

May 1940

AGRICULTURAL LIMESTONE DISTRIBUTION IN ILLINOIS IN 1939*

Preliminary Report

By

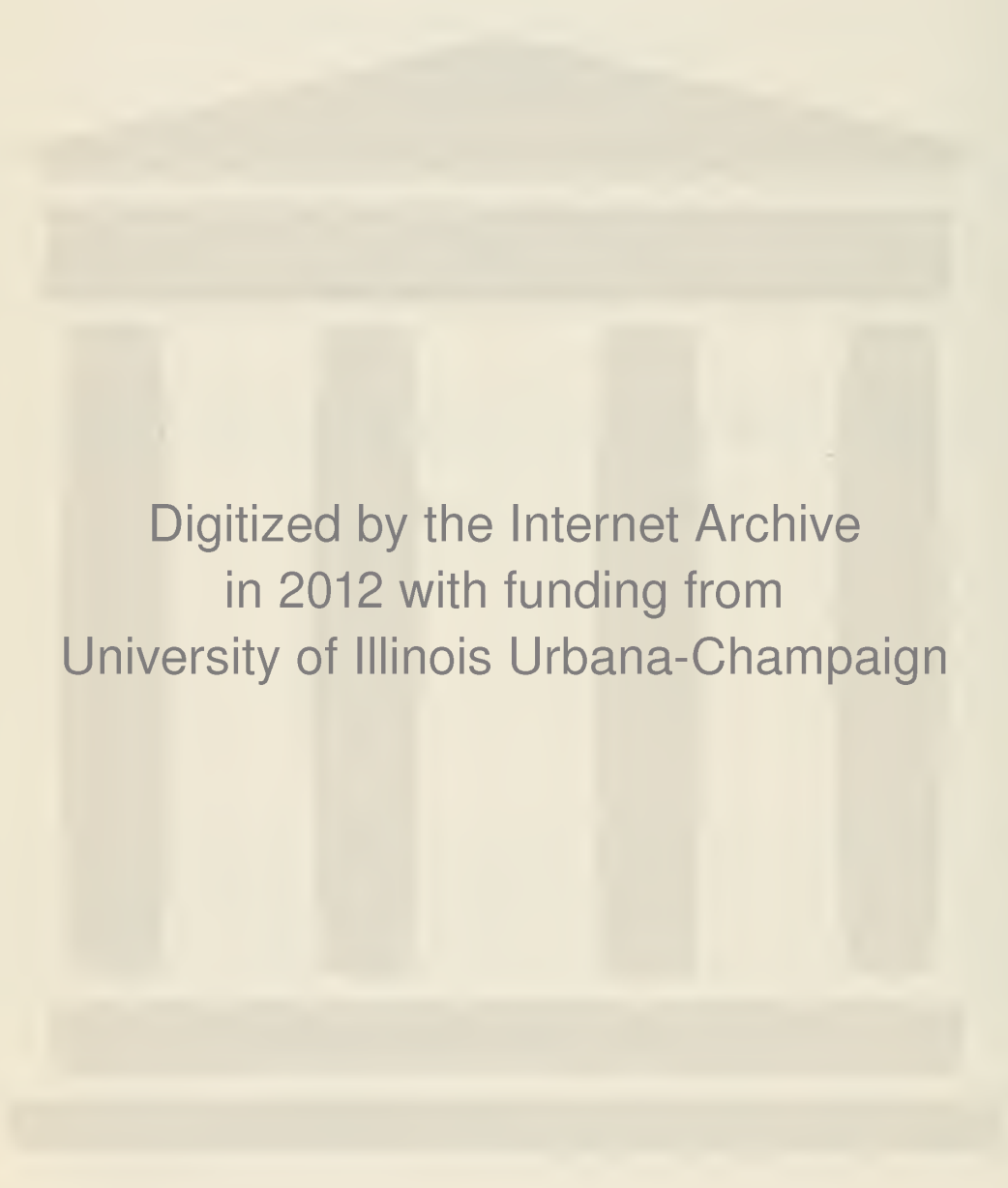
W. H. Voskuil and G. N. Oliver

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Returns from producers of agricultural limestone indicate that the farmers of Illinois applied approximately 1,500,000 tons in 1939. Detailed statistics were received from Illinois producers and from producers in Indiana, Kentucky, Missouri, Iowa, and Wisconsin, who ship agricultural limestone into Illinois. Information was also received from farm advisers on estimated production of small quarries, production figures from which are otherwise unavailable.

A preliminary report on the total tonnage of agricultural limestone used in each county in Illinois during 1939 and final figures for 1938 are given in Table 1.

* In cooperation with the Mid-West Agricultural Limestone Institute.



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Table 2 contains figures for agricultural limestone produced in other states and marketed in Illinois, 1934-1939.

Table 3 contains figures for agricultural limestone produced in Illinois and marketed in other states, 1934-1939.

Revised figures based upon complete data will be published in the annual statistical report of the State Geological Survey.

Consumption of agricultural limestone, and farm tenancy.

Consumption of agricultural limestone is affected by the form of land tenure. On land operated by tenants, the use of limestone is frequently discouraged because suitable arrangements do not exist between landlord and tenant with respect to compensation for unused benefit of limestone. Certain classes of landlords also do not properly appreciate the value of the land. In view of the high proportion of farm tenancy in Illinois, especially in the leading agricultural counties, producers of agricultural limestone press for the solution of the problem of increasing the use of limestone on tenanted farms. The acreage of farms operated by tenants and the proportion of farm tenancy, by counties, was shown in Table 1 of Circular No. 47, "Agricultural Limestone Distribution in 1938."

Table 1. - Consumption of Agricultural Limestone in Illinois, by Counties, 1938 and 1939

County	Tons used		Arable land (acres) (1934 census figures)	Average limestone consumption in pounds per acre of arable land	
	1938	1939		1938	1939
Adams	16,483	28,054	256,222	129	218
Alexander	(a)	1,600	48,999	(a)	66
Eond	11,358	9,569	132,099	172	144
Boone	(a)	8,106	115,787	(a)	140
Brown	398	4,677	78,104	10	120

Table 1. - (Continued)

County	Tons used		Arable land (acres) (1934 census figures)	Average limestone consumption in pounds per acre of arable land	
	1938	1939		1938	1939
Bureau	13,120	20,000	359,529	73	111
Calhoun	(a)	5,750	68,901	(a)	164
Carroll	2,089	15,000	153,278	27	196
Cass	(a)	5,538	144,961	(a)	76
Champaign	20,357	23,103	510,585	78	90
Christian	15,542	14,609	338,156	92	86
Clark	19,650	46,915	151,845	240	600
Clay	1,706	5,500	151,435	22	72
Clinton	13,982	16,585	192,686	144	177
Coles	1,328	15,000	214,023	12	140
Cook	7,622	9,826	178,385	85	110
Crawford	2,510	8,240	124,307	40	132
Cumberland	6,576	10,526	119,122	110	176
DeKalb	8,000	10,895	307,266	52	71
DeWitt	10,757	10,120	182,562	118	110
Douglas	7,564	7,950	207,392	72	76
DuPage	6,711	5,541	106,526	126	104
Edgar	3,758	11,729	273,073	28	86
Edwards	3,204	6,050	85,356	192	140
Effingham	24,421	13,052	163,598	298	160
Fayette	10,001	14,000	228,559	88	123
Ford	21,264	21,490	247,539	172	173
Franklin	6,816	7,367	113,057	120	131
Fulton	5,049	11,890	290,102	34	82
Gallatin	2,564	4,773	104,998	48	91
Greene	16,045	16,125	178,198	180	181
Grundy	6,262	7,329	200,769	62	73
Hamilton	4,215	6,500	134,746	62	97
Hancock	4,550	8,161	274,919	33	59
Hardin	2,251	4,800	29,189	146	328
Henderson	(a)	13,035	130,350	(a)	200
Henry	30,000	31,484	334,421	178	188
Iroquois	27,835	26,438	554,440	100	95
Jackson	7,901	13,300	172,337	90	154
Jasper	8,921	5,881	176,936	100	66

Table 1. - (Continued)

County	Tons used		Arable land (acres) (1934 census figures)	Average limestone consumption in pounds per acre of arable land	
	1938	1939		1938	1939
Jefferson	14,822	13,500	177,301	166	153
Jersey	7,100	9,953	113,901	122	171
Jo Daviess	6,600	10,000	145,556	90	138
Johnson	1,164	7,010	72,686	32	193
Kane	7,293	14,224	223,860	65	127
Kankakee	20,683	25,153	309,935	133	162
Kendall	9,098	13,500	155,459	116	180
Knox	11,031	20,700	254,902	86	162
Lake	2,737	8,071	115,301	46	140
LaSalle	28,333	44,719	519,354	110	172
Lawrence	1,521	3,700	117,274	26	63
Lee	37,000	20,000	320,207	230	125
Livingston	49,022	66,014	540,819	180	244
Logan	15,339	12,300	300,583	100	83
McDonough	3,748	8,012	227,081	34	70
McHenry	2,593	16,500	218,840	24	150
McLean	58,120	66,716	331,994	198	228
Wacon	8,206	11,480	278,949	58	82
Macoupin	5,140	18,250	292,187	35	124
Madison	10,702	30,320	267,693	80	226
Marion	15,463	3,505	185,766	166	91
Marshall	11,531	15,061	162,866	140	184
Mason	9,603	8,431	228,957	84	74
Massac	(a)	2,050	63,831	(a)	64
Menard	2,737	5,523	134,333	40	83
Mercer	4,985	12,096	192,182	52	126
Monroe	21,017	9,375	149,508	280	123
Montgomery	13,601	10,290	269,517	100	74
Morgan	5,102	3,394	222,219	46	32
Moultrie	5,052	4,148	162,653	62	51
Ogle	35,000	20,000	319,048	220	135
Peoria	11,778	31,460	218,763	106	288
Perry	4,394	11,475	138,507	62	164
Piatt	8,917	10,662	220,133	90	97
Pike	(a)	20,000	237,252	(a)	169

Table 1. - (Continued)

County	Tons used		Arable land (acres) (1934 census figures)	Average limestone consumption in pounds per acre of arable land	
	1938	1939		1938	1939
Pope	1,218	4,800	66,401	36	143
Pulaski	(a)	1,600	66,790	(a)	48
Putnam	9,336	9,343	59,339	320	334
Randolph	17,577	11,952	204,931	170	117
Richland	6,500	6,558	133,173	96	99
Rock Island	8,286	11,150	133,212	124	168
St. Clair	27,374	31,501	267,433	200	232
Saline	5,762	9,514	120,108	96	158
Sangamon	14,598	8,310	377,487	77	44
Schuyler	(a)	6,000	130,779	(a)	91
Scott	6,561	8,560	90,704	138	138
Shelby	14,971	12,375	297,999	100	86
Stark	9,711	5,475	122,206	160	91
Stephenson	35,000	20,000	210,552	332	190
Tazewell	15,215	12,930	234,658	106	91
Union	8,290	7,345	108,386	152	136
Vermilion	16,687	18,000	399,851	84	90
Wabash	3,294	310	92,213	70	7
Warren	13,272	20,000	215,866	154	185
Washington	24,553	24,000	216,960	226	221
Wayne	3,489	3,063	208,166	32	30
White	8,154	6,746	190,299	86	71
Whiteside	5,348	16,000	232,323	38	114
Will	11,454	9,974	370,187	60	54
Williamson	3,285	2,854	105,094	62	54
Winnebago	25,000	25,000	182,962	262	262
Woodford	18,254	18,141	233,462	156	155
Trucked, county unknown	33,862	39,292			
Total	1,160,339	1,497,458			

(a) Data not available

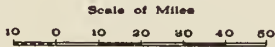
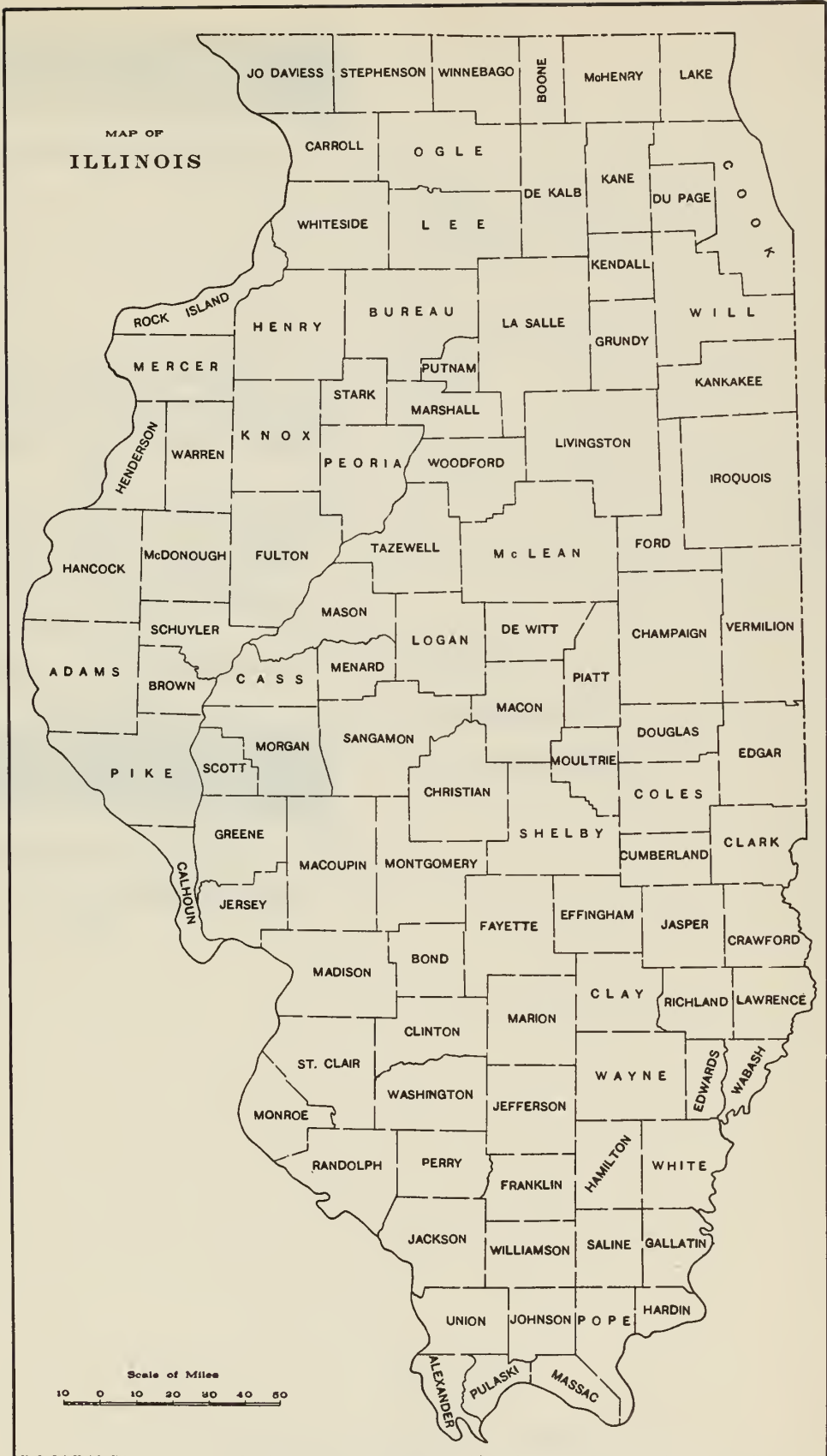
Table 2. - Agricultural Limestone Produced in
Other States and Sold in Illinois,
1934-1939, in tons

<u>Year</u>	<u>Amount sold in Illinois</u>	<u>Per cent of total Illinois consumption</u>
1934	56,095	18.2
1935	54,803	10.5
1936	77,264	7.5
1937	87,479	7.9
1938	118,740	10.2
1939	71,775	5.1

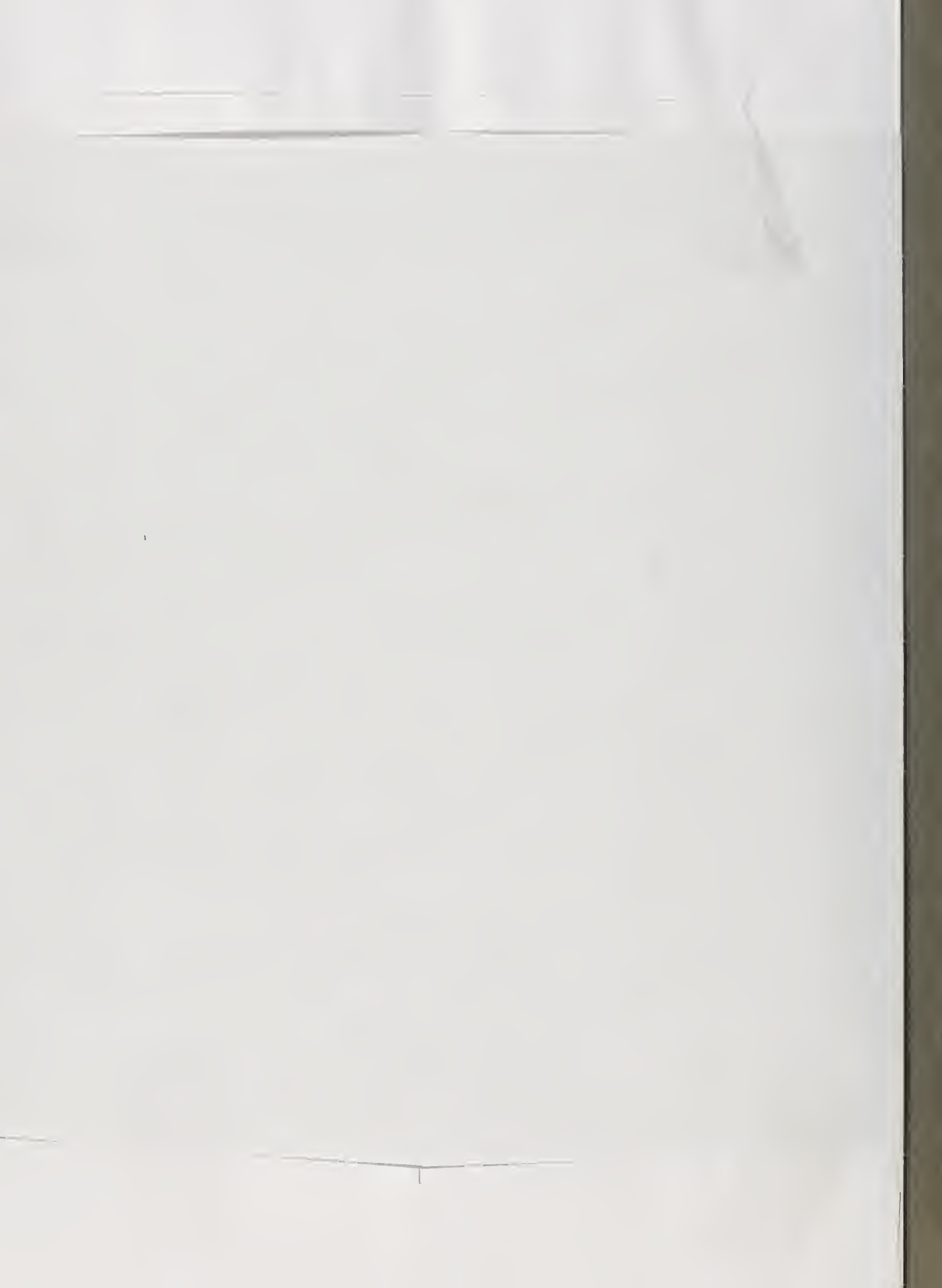
Table 3. - Agricultural Limestone Produced in
Illinois and Marketed in Other States,
1934-1939
(Net tons)

<u>Year</u>	<u>Indiana</u>	<u>Kentucky</u>	<u>Missouri</u>	<u>Michigan</u>	<u>Tennessee</u>	<u>Total</u>
1934	9,093	-	2,232	1,546	238	13,259
1935	10,102	32	130	4,135	1,095	15,562
1936	28,976	4,129	587	4,950	6,020	44,398
1937	53,375	12	845	7,522	2,703	64,746
1938	36,356	4	675	1,288	4,100	42,463
1939	3,527	4,735	441	500	18,950	28,169

MAP OF
ILLINOIS



COUNTY LOCATION MAP



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