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AGRICULTURAL LIMESTONE DISTRIBUTION IN 1935

by W. H. Voskuil and W. A. Newton

In cooperation with
Mid-West Agricultural Limestone Institute

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The consumption of agricultural limestone in Illinois in 1935 was slightly greater than in 1934. The total consumed in 1935 was over two and one-half times greater than that consumed in the low year, 1932, showing that the purchase of stone by farmers is returning to the level of pre-depression years. The following figures represent the approximate consumption of agricultural limestone in Illinois by years.

Table 1. - Agricultural Limestone
Consumed in Illinois,
1930-1935

<u>Year</u>	<u>Tons</u>
1930	811,000
1931	266,886
1932	132,995
1933	190,963
1934	346,141
1935	356,095

The most significant increase in limestone consumption was in those counties in the southeast part of the State, District V (see index map on last page). Decreased consumption from the 1934 total was most general in those counties of the East St. Louis district (IV). This is probably a result of the substantial increase in consumption that this area sustained in 1934.

Detailed statistics of distribution by counties were received from producers within the State and from producers in Indiana, Iowa, Missouri, and Wisconsin who ship agricultural limestone into Illinois.

The increasing quantities of agricultural limestone moved by trucks has introduced some difficulties in the allocation of production to the consuming counties. Through the helpful cooperation of farm advisors in each of the counties of the State, correlated with the reports of the producers, the distribution of tonnage by

counties has been obtained with reasonable accuracy. Lack of data from farm producers in Bureau, Ogle, Pike, and Jo Daviess counties was so evident, however, that an estimated tonnage for each county by the respective Farm Advisor is used in Table 2.

Although a few producers have not reported their distribution, the preliminary total of 356,095 tons for 1935 is estimated to represent more than 95 per cent of the commercial distribution.

The prompt response of the large majority of producers and Farm Advisors to the questionnaires sent out by the State Geological Survey has made possible this early report.

Table 2. - Tonnage of Agricultural Limestone
Used in Illinois during 1934 and 1935

Tons marketed in each county in Illinois

County	1934		1935		Total
	Total	Produced in Illinois	Produced in other states	Total	
Adams	7,587	4,848		4,848	
Alexander	0	55		55	
Bond	1,769	6,015	134	6,149	
Boone	1,060	0		0	
Brown	918	432		432	
*Bureau	1,046	2,964	36	3,000	
Calhoun	0	0		0	
Carroll	0	0		0	
Cass	592	543		543	
Champaign	4,185	2,945	96	3,041	
Christian	3,060	3,641		3,641	
Clark	11,646	6,251	8,382	14,633	
Clay	120	469		469	
Clinton	7,937	16,487	45	16,532	
Coles	1,532	436	474	910	
Cook	2,615	2,673		2,673	
Crawford	763	295	1,083	1,378	
Cumberland	2,647	1,936	1,836	3,772	
DeKalb	1,138	435		435	
DeWitt	2,709	1,540		1,540	
Douglas	2,177	1,331	1,119	2,450	
DuPage	567	1,153		1,153	
Edgar	3,526	1,819	2,031	3,850	
Edwards	1,379	948	358	1,306	

Tons marketed in each county in Illinois--continued

County	1934	1935		Total
	Total	Produced in Illinois	Produced in other states	
Effingham	4,200	3,264	6,659	9,923
Fayette	1,079	2,997	998	3,995
Ford	3,689	2,242		2,242
Franklin	2,547	3,364		3,364
Fulton	2,732	1,302	315	1,617
Gallatin	134	0		0
Greene	11,046	4,638		4,638
Grundy	1,483	904		904
Hamilton	1,173	1,859		1,859
Hancock	2,054	952		952
Hardin	1,200	0		0
Henderson	0	115		115
Henry	8,889	5,327	3,248	8,575
Iroquois	5,641	2,033	2,180	4,213
Jackson	5,423	6,001		6,001
Jasper	614	2,179	272	2,451
Jefferson	1,301	2,930		2,930
Jersey	5,326	0		0
*Jo' Daviess	102	8,000		8,000
Johnson	1,500	1,680		1,680
Kane	1,923	1,875		1,875
Kankakee	433	344		344
Kendall	2,687	1,214		1,214
Knox	4,796	1,233	2,612	3,845
Lake	1,237	1,237	59	1,296
La Salle	2,339	664		664
Lawrence	1,524	446	1,789	2,235
Lee	614	87	61	148
Livingston	4,625	7,141		7,141
Logan	1,630	1,956		1,956
McDonough	2,667	342		342
McHenry	1,224	1,962	142	2,104
McLean	31,595	19,853		19,853
Macon	3,345	2,291	289	2,580
Macoupin	15,891	2,053		2,053
Madison	15,364	7,517		7,517
Marion	2,646	6,491		6,491
Marshall	972	2,813		2,813
Mason	2,352	2,046		2,046
Massac	0	53		53
Menard	671	765		765
Mercer	3,055	10	3,582	3,592
Monroe	16,521	3,263		3,263

County	1934	1935		Total
	Total	Produced in Illinois	Produced in other states	
Montgomery	3,236	3,908		3,908
Morgan	3,226	519		519
Moultrie	449	230	162	392
*Ogle	0	4,000		4,000
Peoria	5,670	4,090	605	4,695
Perry	4,250	10,200		10,200
Piatt	3,324	1,874	88	1,962
*Pike	770	162		162
Pope	1,260	0		0
Pulaski	100	64		64
Putnam	57	210		210
Randolph	16,521	15,167		15,167
Richland	414	909	900	1,809
Rock Island	3,616	3,074	1,333	4,407
St. Clair	6,362	25,633		25,633
Saline	6,186	1,003		1,003
Sangamon	4,122	2,510		2,510
Schuyler	170	88		88
Scott	268	0		0
Shelby	1,420	2,936	495	3,431
Stark	1,303	582	822	1,404
Stephenson	900	0		0
Tazewell	3,874	3,113		3,113
Union	3,100	3,562		3,562
Vermilion	2,436	1,966	391	2,357
Wabash	1,450	190	1,337	1,527
Warren	215	0	419	419
Washington	11,852	13,223	46	13,269
Wayne	454	456	234	690
White	2,047	703	735	1,438
Whiteside	2,166	2,124	60	2,184
Will	4,031	1,298		1,298
Williamson	1,915	1,958		1,958
Winnebago	500	0		0
Woodford	5,462	4,637		4,637
County unknown	5,798	7,782		7,782
Total	346,141	310,668	45,427	356,095

* Estimated

The percentage of the total limestone consumption in 1935 which was brought into Illinois from outside sources decreased from the 1934 figure (Table 3). Of this imported stone 70 per cent came from Indiana and about 29 per cent from Iowa, only a minor amount coming from Missouri and Wisconsin.

Although the total amount of agricultural limestone produced in other states and marketed in Illinois was less in 1935 than in 1934, this total is yet about three times the amount of limestone produced in Illinois and marketed in other states, as given in Table 4.

Table 4 shows the trend of Illinois limestone marketed in other states from the year 1931 to 1935. The yearly total has increased for the past three years but has not as yet reached the 1931 level of almost 17,000 tons.

Table 3. - Agricultural Limestone Produced in Other States and Marketed in Illinois, 1931-1935
(In tons)

<u>Year</u>	<u>Tons Consumed from Outside Producers</u>	<u>Per cent of Total Consumption</u>
1931	31,160.55	11.6
1932	15,231.	11.5
1933	12,845.	6.7
1934	56,095.	16.2
1935	45,427.	12.7

Table 4. - Agricultural Limestone Produced in Illinois and Marketed in Other States, 1931-1935
(In tons)

<u>Year</u>	<u>Wisc.</u>	<u>Ia.</u>	<u>Mo.</u>	<u>Ky.</u>	<u>Ind.</u>	<u>Mich.</u>	<u>Tenn.</u>	<u>Total</u>
1931	650	--	37	500	9,570	4,764	1,450	16,971
1932	--	--	263	--	3,311	850	683	5,107
1933	--	62	80	41	5,299	421	730	6,633
1934	85	65	2,232	--	9,093	1,546	238	13,259
1935	67	1	130	32	10,102	4,135	1,095	15,562

Table 5 shows the average number of pounds of limestone used per acre, by counties, for the years 1933, 1934, and 1935 in comparison with the average number of pounds used in the period 1926-1930. This period, 1926-1930, is used in this comparison

because it is thought that it represents a fair normal consumption for most of the counties. The counties are grouped according to the index map at the end of the report. The group average at the end of each column represents only the average of those counties for which data were available.

In general, this table shows the trend of limestone utilization in each county and for the five groups, or areas. In some counties limestone consumption has decreased, in others it has exceeded the 1926-30 average. A tabulation of data such as given below should in the near future shed light on the market trend of each county and group.

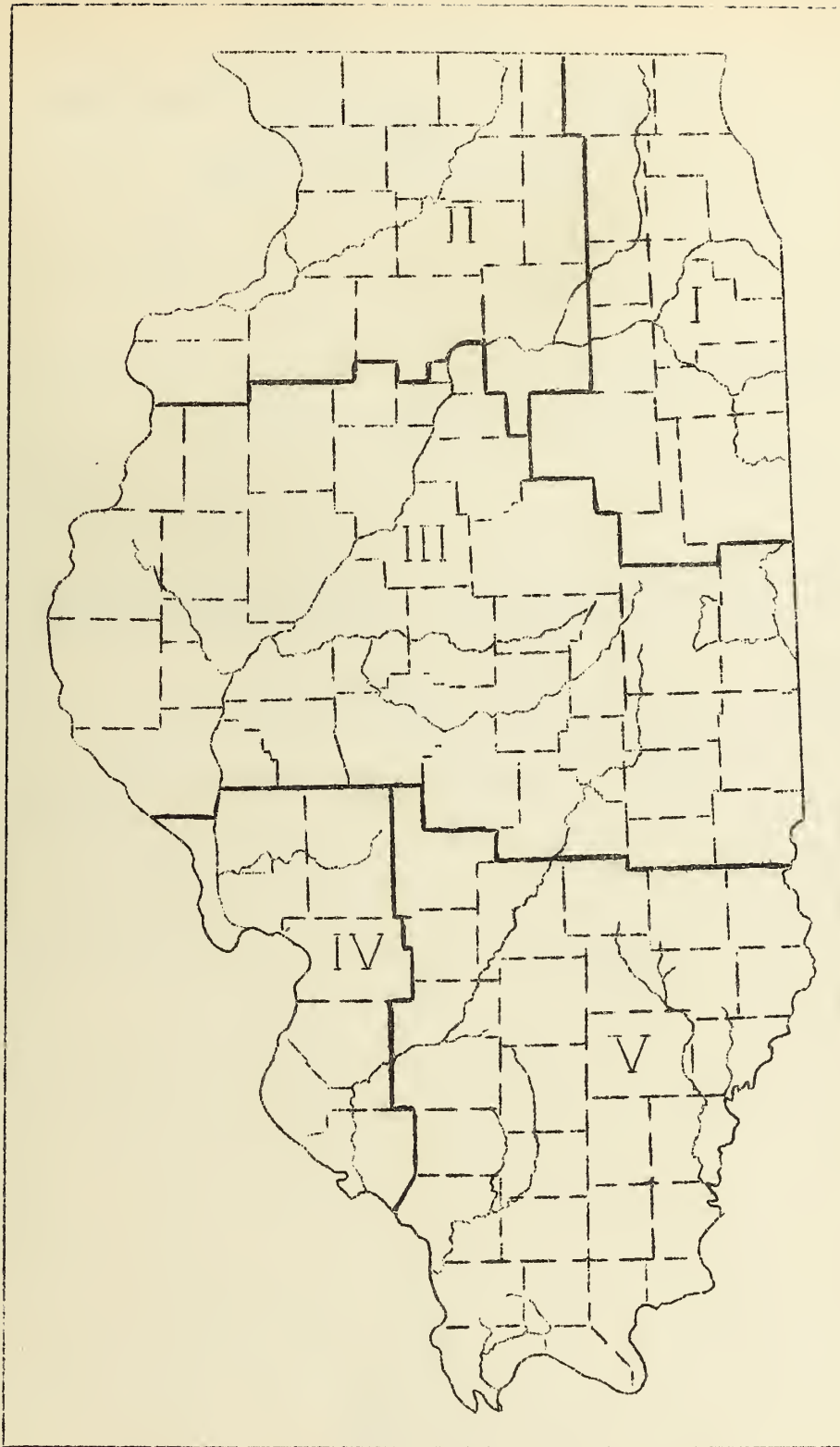
Table 5. - Consumption of Limestone
on Crop Land, by Counties
(In Pounds per Acre)

County	Farm land in crops (1929)	Pounds of limestone per acre			
		1933	1934	1935	1926-1930 average
Group 1					
Cook	164,478	10	32	32	28
DuPage	102,525	18	11	22	37
Ford	251,129	10	29	18	45
Grundy	197,112	7	20	9	31
Iroquois	557,286	13	20	15	34
Kane	211,385	13	18	18	35
Kankakee	302,664	4	3	2	30
Kendall	154,130	2	35	16	43
Lake	105,632	5	24	25	19
Livingston	546,648	15	17	26	47
McHenry	222,210	5	11	19	25
Will	348,255	1	23	7	25
Average for data available		8.6	20.2	17.4	33.3
Group 2					
Boone	119,416	1	18	a/	90
Bureau	364,803	2	9	16	41
Carrcll	160,827	a/	a/	a/	68
DeKalb	306,290	7	7	3	55
Henry	352,861	20	50	50	85
Jo Daviess	156,735	0	a/	102	48
La Salle	518,450	2	9	3	35
Lee	324,847	a/	4	1	74

County	Farm land in crops (1929)	Pounds of limestone per acre			
		1933	1934	1935	1926-1930 average
Group 2 (continued)					
Mercer	202,377	3	30	35	61
Ogle	312,720	a/	a/	26	48
Rock Island	133,975	41	5	7	118
Stephenson	216,596	a/	8	a/	52
Whiteside	295,856	5	15	15	101
Winnebago	189,201	a/	5	a/	180
Average for data available		10.1	14.5	25.8	75.4
Group 3					
Adams	277,310	a/	55	33	59
Brown	80,291	7	23	11	108
Cass	146,012	24	8	7	91
Christian	319,031	12	19	23	46
Champaign	514,120	8	20	12	49
Clark	145,009	79	160	202	178
Coles	209,790	5	14	9	43
Cumberland	108,915	15	58	36	50
DeWitt	188,278	26	18	16	50
Douglas	205,598	6	21	19	49
Edgar	269,689	12	26	29	29
Fulton	300,163	5	20	11	27
Hancock	283,251	a/	15	7	51
Henderson	191,106	a/	a/	1	49
Knox	274,189	8	35	31	46
Logan	304,439	2	11	13	36
Macon	272,508	11	25	17	33
Marshall	160,608	6	12	35	55
Mason	228,930	30	29	18	86
McDonough	230,365	2	23	3	50
McLean	587,468	14	108	68	75
Menard	141,309	9	9	11	39
Morgan	221,958	10	29	5	64
Moultrie	163,885	6	6	5	25
Peoria	216,423	16	52	43	75
Platt	217,725	6	31	18	35
Pike	251,943	a/	a/	159	125
Putnam	59,772	8	2	7	78
Sangamon	368,786	7	22	14	45
Scott	91,619	9	6	a/	116
Schuyler	133,184	7	3	1	36
Shelby	291,314	12	10	23	44
Stark	127,343	8	21	22	47
Tazewell	287,997	12	27	22	66
Vermilion	412,415	5	12	11	45
Warren	224,789	6	2	4	29
Woodford	233,169	14	46	39	93
Average for data available		12.3	27.9	27.3	60.0

County	Farm land in crops (1929)	Pounds of limestone per acre			
		1933	1934	1935	1926-1930 average
Group 4					
Calhoun	71,970	a/	a/	a/	52
Greene	181,258	15	122	51	151
Jersey	114,569	16	93	a/	198
Macoupin	272,761	26	116	15	98
Madison	267,696	105	115	56	206
Monroe	128,509	171	257	23	419
Randolph	196,678	134	168	154	250
St. Clair	245,327	138	52	209	286
Average for data available		86.4	131.8	84.7	209.9
Group 5					
Alexander	49,556	a/	a/	2	232
Bond	126,912	15	20	97	212
Clay	163,655	1	1	6	70
Clinton	188,070	58	84	176	238
Crawford	118,315	11	13	23	145
Edwards	84,133	26	33	31	83
Effingham	164,133	28	51	121	146
Fayette	237,164	6	9	34	71
Franklin	109,587	22	47	61	95
Gallatin	98,154	6	3	a/	47
Hamilton	154,223	11	15	24	31
Hardin	30,345	20	80	a/	15
Jackson	164,628	43	66	73	130
Jasper	170,030	4	7	39	36
Jefferson	168,303	7	16	35	68
Johnson	73,623	3	40	46	36
Lawrence	111,798	4	27	40	57
Marion	187,582	21	27	69	82
Massac	63,905	6	a/	1	68
Montgomery	255,255	19	25	30	103
Perry	132,068	33	64	155	123
Pope	69,469	10	36	a/	23
Pulaski	59,876	a/	3	2	67
Richland	128,237	6	6	28	61
Saline	115,918	53	107	18	43
Union	105,293	75	59	68	121
Wabash	91,773	14	32	33	71
Washington	214,242	154	110	124	196
Wayne	236,695	2	4	6	20
White	182,452	13	22	16	75
Williamson	111,266	24	34	35	64
Average for data available		23.9	35.9	49.7	91.2

a/ Data incomplete



Index map of Illinois showing location of districts according to which production of limestone is given

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