


ILLINOIS STATE GEOLOGICAL SURVEY



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AGSTONE USED IN ILLINOIS IN 1944

Preliminary Annual Report

By

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PRELIMINARY REPORT

AGSTONE USED IN ILLINOIS IN 1944

Reports of producers to the Illinois State Geological Survey show that the amount of agstone (ground limestone, dolomite, and marl) used for soil improvement in Illinois during 1944 amounted to more than 4,210,000 tons. This was about 31 percent more than that used in 1943 and establishes a new all-time high record.

Table 1. - Agstone Used in Illinois, 1943 and 1944 ^{a/}

	1943		1944	
	Tons	Value	Tons	Value
Produced in Illinois				
Limestone	1,986,512	\$2,127,407	2,500,261	\$2,709,514
Dolomite	1,137,108	928,828	1,561,956	1,546,597
Marl	7,310	6,950	10,832	10,596
Total produced in Illinois	3,130,930	\$3,063,185	4,073,049	\$4,266,707
Less marketed in other states	75,971	73,692	173,211	181,500
Produced and used in Illinois	3,054,959	\$2,989,493	3,899,838	\$4,085,207
Produced in other states and used in Illinois	166,518	163,115	314,762	303,679
Total agstone used in Illinois	3,221,477	\$3,152,608	4,214,600	\$4,388,886

a/ From canvass made by Illinois Geological Survey, in cooperation with Illinois Agricultural Association and Midwest Agricultural Limestone Institute.

This remarkable increase in production of agstone resulted because a few larger producers concentrated on agstone and really made it "big business." Out of 25 plants, each of which reported more than 50,000 tons sold during the year, 19 plants sold considerably more than during the previous year. Out of 90 plants, each of which reported less than 50,000 tons sold, 70 plants made small increases. Many

producers, large and small, suffered from scarcity of labor and difficulty in securing truck transportation and repairs, due to wartime conditions.

The progressive increase of the use of agstone on Illinois farms during the years for which figures are available is shown in Table 2.

Table 2. - Agstone Used in Illinois Annually, 1927-1944^{a/}

Year	Tons	Value	Av.	Year	Tons	Value	Av.
				1935	379,555	\$ 268,139	\$0.71
				1936	1,114,466	871,862	.78
1927	647,155	\$ 579,639	\$0.90	1937	1,310,513	1,279,981	.97
1928	565,001	511,005	.91	1938	1,251,263	1,247,150	1.00
1929	947,798	843,693	.89	1939	1,497,458	1,318,173	.88
				1940	2,365,663	1,999,850	.84
1930	868,426	740,785	.86	1941	3,084,855	2,873,536	.93
1931	268,874	241,376	.90	1942	3,866,568	3,600,313	.93
1932	164,933	140,969	.86	1943	3,221,477	3,152,608	.98
1933	227,466	165,667	.73	1944	4,214,600	4,388,886	1.04
1934	491,644	319,604	.65				

a/ U.S. Bureau of Mines, 1927-29; Ill. Agr. Assoc., 1930; Ill. Geol. Survey, 1931-44.

During 1944, agstone was produced in 48 of the 102 counties of the State. Of the total amount used during the year, 92.5 percent was produced in Illinois.

Table 3 gives the use of agstone by counties in Illinois during 1944, showing the amounts produced in Illinois and in other states. It also shows the arable land in each county and the average quantity of agstone used, in pounds per acre of arable land. These data are from producers who reported sales of agstone in specific counties, or are estimates by county farm advisers, whichever is the larger. Production not accounted for in either of the above figures is given at the bottom of the table marked "counties not specified." The total amount used in Illinois is based on actual deliveries in Illinois reported by producers.

Table 4 gives the total amount of agstone produced in other states but marketed in Illinois. Table 5 gives the total amount produced in Illinois which was marketed in other states.

Table 3 - Agstone Used in Illinois, by Counties, 1943 and 1944^{a/}

County	Total used in 1943 (Tons)	Tons used in 1944			Acres of arable land (1939 census)	Pounds used per acre	
		Produced in Illinois	Produced in other states	Total Used in Illinois		1943	1944
Adams	65,551	49,000		49,000	252,446	519	388
Alexander	8,374	9,200		9,200	49,866	336	370
Bond	20,080	39,100	900	40,000	122,224	329	655
Boone	12,342	15,700		15,700	115,849	213	272
Brown	15,000	10,000		10,000	71,549	419	282
Bureau	32,862	95,800	5,500	101,300	352,777	186	572
Calhoun	15,906	16,000		16,000	62,607	508	510
Carroll	34,800	33,000		33,000	151,498	459	435
Cass	14,096	25,000		25,000	137,405	205	363
Champaign	26,869	29,700	300	30,000	487,052	110	123
Christian	56,176	51,700		51,700	317,469	354	320
Clark	52,300	40,300		40,300	147,721	708	546
Clay	23,083	13,000	17,100	30,100	147,932	312	407
Clinton	34,732	35,500	1,500	37,000	184,463	377	401
Coles	37,059	30,000		30,000	204,186	363	294
Cook	39,140	46,400		46,400	174,178	449	532
Crawford	38,755	24,600	5,400	30,000	129,019	601	464
Cumberland	19,413	30,000		30,000	111,117	349	540
DeKalb	25,910	50,000		50,000	300,180	173	314
DeWitt	4,797	4,500		4,500	178,758	54	50
Douglas	10,519	4,000		4,000	203,651	103	39
DuPage	26,790	26,100		26,100	98,841	542	530
Edgar	35,281	30,000		30,000	255,054	277	235
Edwards	19,524	8,500	8,400	16,900	79,811	489	423
Effingham	36,019	32,500	7,000	39,500	153,841	468	516
Fayette	29,604	18,000	2,500	20,500	207,106	286	198
Ford	20,531	20,000		20,000	235,032	175	170
Franklin	23,556	13,000	4,200	17,200	101,537	464	338
Fulton	12,492	7,900	3,100	11,000	267,772	93	83
Gallatin	13,325	30,000		30,000	102,638	260	580
Greene	20,622	17,700		17,700	164,814	250	215
Grundy	27,098	18,000		18,000	193,637	280	187
Hamilton	14,184	9,600	6,100	15,700	126,415	224	248
Hancock	44,015	43,000	4,000	47,000	265,043	332	354
Hardin	7,651	31,300		31,300	21,367	716	2940

Table 3 - Agstone Used in Illinois, by Counties, 1943 and 1944^{a/} - Continued

County	Total used in 1943 (Tons)	Tons used in 1944			Acres of Arable land (1939 census)	Pounds used per acre	
		Produced in Illinois	Produced in other states	Total used in Illinois		1943	1944
Henderson	30,600	54,700	700	55,400	127,291	481	900
Henry	67,633	75,100	14,900	90,000	327,034	414	550
Iroquois	75,273	56,900	3,100	60,000	536,438	281	224
Jackson	21,745	21,100		21,100	147,931	294	286
Jasper	42,923	50,300		50,300	174,186	492	620
Jefferson	57,022	22,200	49,800	72,000	146,453	779	984
Jersey	12,300	17,500		17,500	104,793	235	334
JoDaviess	25,300	29,200	800	30,000	144,530	350	415
Johnson	10,687	9,000		9,000	59,742	358	301
Kane	21,445	71,000		71,000	210,186	204	675
Kankakee	81,355	64,000		64,000	300,394	542	422
Kendall	30,588	30,000		30,000	150,326	407	400
Knox	35,054	29,600	27,600	57,200	253,753	276	452
Lake	7,858	9,600		9,600	108,847	144	176
LaSalle	71,965	125,000		125,000	506,546	284	493
Lawrence	10,052	11,600	4,000	15,600	122,007	165	253
Lee	77,018	125,000		125,000	317,176	486	790
Livingston	34,927	87,700		87,700	522,760	134	336
Logan	21,617	79,700		79,700	305,432	142	522
McDonough	20,267	29,700	300	30,000	225,530	180	267
McHenry	27,407	40,200		40,200	211,577	259	380
McLean	102,245	75,000		75,000	557,076	367	269
Macon	36,074	33,600	200	33,800	263,970	273	254
Macoupin	25,009	16,200	600	16,800	263,157	190	128
Madison	26,106	40,000		40,000	256,470	204	311
Marion	38,733	17,200	20,400	37,600	171,342	452	440
Marshall	13,896	10,600		10,600	158,028	176	134
Mason	21,231	33,000		33,000	225,535	188	293
Massac	20,180	11,000		11,000	56,261	717	391
Menard	15,526	21,400		21,400	128,395	242	332
Mercer	20,429	17,300	2,700	20,000	190,569	214	210
Monroe	35,712	39,400		39,400	144,902	493	544
Montgomery	53,955	35,100	1,600	36,700	248,528	434	297
Morgan	9,300	20,000		20,000	220,259	84	182
Moultrie	32,926	16,100	700	16,800	154,637	426	218

Table 3 - Agstone Used in Illinois, by Counties, 1943 and 1944 - Concluded ^{a/}

County	Total used in 1943 (Tons)	Tons used in 1944			Acres of arable land (1939 census)	Pounds used per acre	
		Produced in Illinois	Produced in other states	Total used in Illinois		1943	1944
Ogle	40,134	60,000		60,000	309,633	259	388
Peoria	52,807	75,000		75,000	203,084	520	740
Perry	16,170	10,500	6,300	16,800	126,300	256	267
Piatt	11,655	19,600	400	20,000	210,451	111	190
Pike	14,547	40,000		40,000	232,460	125	343
Pope	7,856	6,500		6,500	52,202	301	249
Pulaski	7,158	12,500		12,500	53,830	266	464
Putnam	7,852	11,800		11,800	56,148	278	420
Randolph	45,876	43,400	6,600	50,000	196,442	467	510
Richland	16,686	10,900	13,500	24,400	132,767	252	368
Rock Island	30,107	74,300	700	75,000	127,185	474	1180
St. Clair	73,599	78,400		78,400	229,600	641	680
Saline	20,581	23,700		23,700	99,227	415	477
Sangamon	42,922	60,500		60,500	358,668	239	337
Schuyler	7,100	2,500		2,500	123,785	115	41
Scott	4,138	15,000		15,000	87,070	95	345
Shelby	33,731	36,500		36,500	283,990	238	258
Stark	11,676	10,300	2,500	12,800	121,264	192	212
Stephenson	42,000	50,000		50,000	212,702	395	470
Tazewell	16,958	30,000		30,000	265,832	128	226
Union	19,130	24,700		24,700	94,140	407	525
Vermilion	43,750	50,000		50,000	390,901	224	256
Wabash	8,705	6,900	3,100	10,000	80,345	217	250
Warren	58,930	74,700	300	75,000	210,953	559	710
Washington	38,281	23,700	31,300	55,000	211,504	362	517
Wayne	48,486	18,500	41,500	60,000	215,527	450	558
White	21,049	49,200	6,200	55,400	189,016	222	570
Whiteside	75,636	82,500	2,500	85,000	274,505	551	618
Will	55,229	39,100		39,100	345,147	321	227
Williamson	15,920	24,500	500	25,000	86,222	369	581
Winnebago	35,000	25,000		25,000	180,603	388	277
Woodford	19,024	21,200		21,200	222,776	171	190
County not specified	125,970	405,300	6,000	411,300	---	---	---
Total	3,221,477	3,899,800	314,800	4,214,600	20,201,195	Av. 318	Av. 417

^{a/} Compiled from canvass made by Illinois Geological Survey, in cooperation with Illinois Agricultural Association and Midwest Agricultural Limestone Institute.

Table 4 - Agstone Produced in Other States and Used
in Illinois, 1939-1944^{a/}
(in tons)

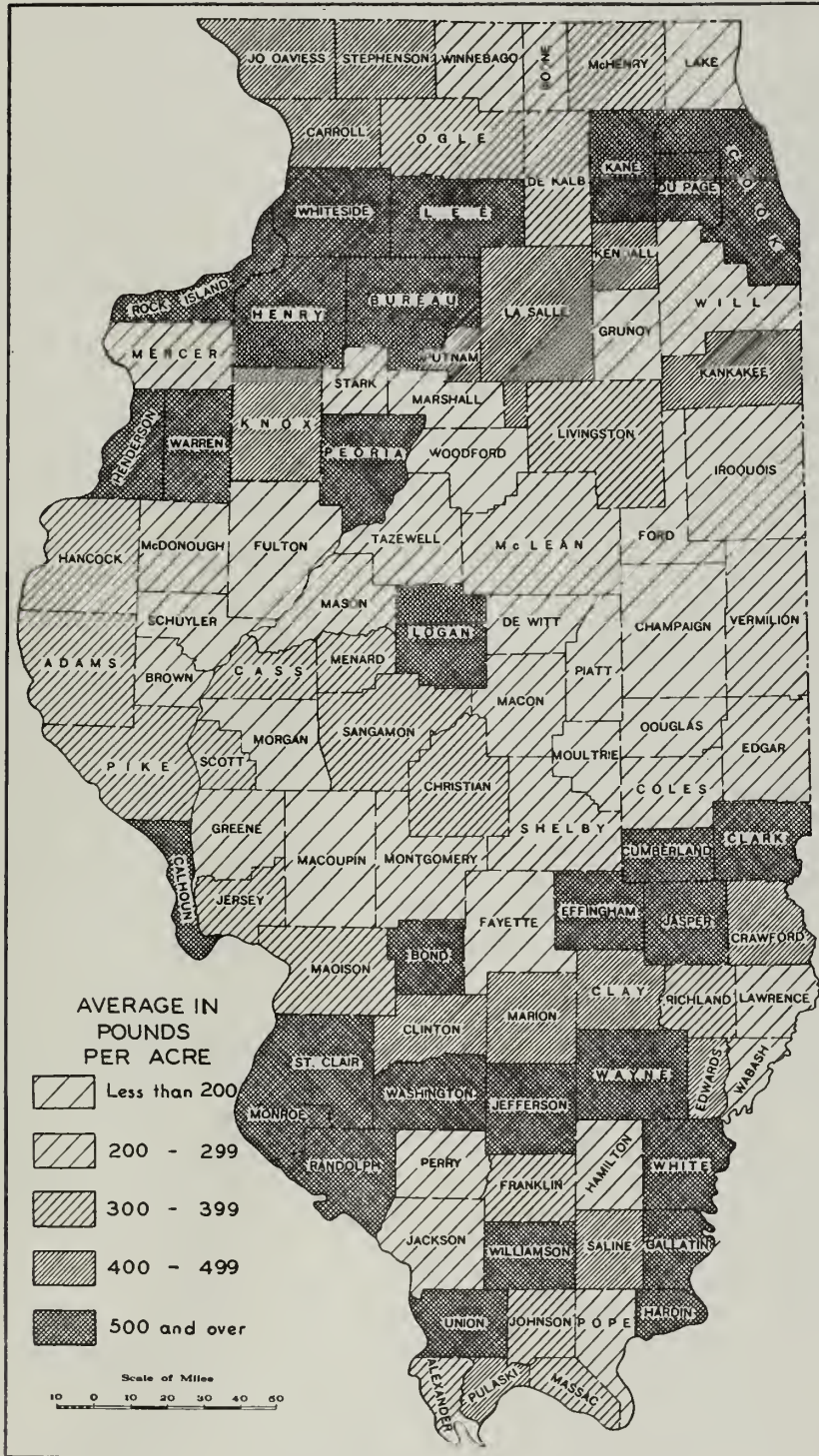
Year	Amount sold in Illinois	Percent of total Illinois consumption
1939	71,775	5.1
1940	106,912	5.9
1941	95,226	3.2
1942	171,035	4.5
1943	166,518	5.3
1944	314,800	7.5

^{a/} From canvass made by Illinois Geological Survey.

Table 5 - Agstone Produced in Illinois and Marketed
in Other States, 1939-1944^a
(in tons)

Year	Wisconsin	Iowa	Missouri	Kentucky	Indiana	Other States	Total
1939	---	----	441	4,751	3,527	19,450	28,169
1940	950	----	353	5,450	3,800	15,225	25,778
1941	---	100	867	940	1,800	1,125	4,832
1942	450	----	203	9,700	28,811	19,853	59,017
1943	---	11,000	1,192	1,000	34,579	28,200	75,971
1944	---	7,683	8	8,900	46,302	110,318	173,211

^{a/} From canvass made by Illinois Geological Survey.



AGSTONE USED IN 1944

County averages are given in pounds per acre of arable land

