

State of Illinois

Department of Agriculture

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Illinois Voluntary Limestone Program **PRODUCER INFORMATION**

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Produced by:

Illinois Department of Agriculture

Illinois Department of Transportation



The application of limestone to Illinois cropland is a time tested method of controlling soil acidity. It can help maintain optimum nutrient availability and consequently, crop production.

However, variations in limestone quality from the many sources available to farmers can make consistent and economical application difficult. This publication indexes many Illinois sources of agricultural limestone as a function of their effective neutralizing value. Calcium Carbonate Equivalents and Fineness Efficiency of the different limestones have all been figured for the producer.

The result is a correction factor at the end of each entry. Multiply this figure by the ton-per-acre of limestone recommended in your soil test for the correct application rate of each quarry's limestone. The application rate number is figured with a one and four year conversion rate.

Figuring ENV for one year conversion rates

The effective neutralizing value of a limestone product is determined by multiplying the Calcium Carbonate Equivalent (CCE given in booklet) by the total fineness efficiency value (TFEV).

You must figure this from data included in the booklet. Total fineness efficiency values (TFEV's) are determined by first obtaining the weight percent (multiply by .01) of stone in the four particle size intervals. These are:

1. Greater than #8 mesh
2. #8 to #30 mesh
3. #30 to #60 mesh
4. #60 and finer mesh

Obtain the greater than #8 mesh figure by subtracting the #8 mesh percent weight from 1.00. to obtain the #8 to #30 mesh, subtract the percent passing # 30 from the percent passing #8 to obtain the #30 to #60 figure, subtract the #60 from the #30. The passing #60 figure is already given in the table. On the next page is an example TFEV computation for particle size intervals. For more information, see "A Guide to selecting Agricultural Limestone Products", by Jonathan H. Goodwin. Illinois Mineral Note 73, November, 1973. Illinois State Geological Survey and, Illinois Agronomy Handbook 1995-96 Circular 1333, Cooperative Extension Service, U of I. Or, you may contact your County Extension Advisor.

Particle Size Interval Analysis

	Passing #8	Passing #30	Passing #60
Step 1			
Jones County Cr Stone	85.9	35.2	21.4
Weight Percent			

Step 2 (Multiply by .01)	.859	.352	.214
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Step 3
1.00-.859 (#8 figure for #8 larger particle size) = .141

Step 4 One Year Conversion Constants*

*The four bold constants are always used when figuring 1 year conversion rates.

.141 x **5** = .70

.507 x **20** = 10.14

.138 x **50** = 6.90

.214 x **100** = 21.4

39.14 = Total Fineness Efficiency Value

Step 5
(TFEV) 39.14 x (CCE) .9363 = 36.65 (product)

Step 6 One Year application Rate

Always divide the product of step 5 into 46.35.

46.35	
	= 1.26
36.65	

Step 7
1.26 x (ton-per-acre recommendation in your soil analysis) = ton-per-acre of Jones County Cr Stone to apply.

Theoretical CCE is calculated using this formula:

$$CCE_t = \%Ca (2.4973) + [1.1817 (\%Mg \times 3.4676)]$$

Limestone Analysis Report Summary

Producers grouped by County where product is available (Illinois Counties then surrounding states) - Samples L-001 – L-0159

Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
CENTRAL STONE- LORAINÉ	ADAMS	LORAINÉ COMMON STOCKPILE	25	2.46	80.75	85.10	50.10	34.70	1.14	1.23	
CENTRAL STONE- QUINCY	ADAMS	QUINCY COMMON STOCKPILE	25	2	82.80	91.10	58.30	40	1	1.10	
CENTRAL STONE- MARBLEHEAD	ADAMS	MARBLEHEAD COMMON STOCKPILE	25	2.95	89.07	97.30	44.60	37.10	1.01	1.10	
WM CHAS. CONST.&MATERIALS	BOONE	BELVIDERE 1.8M-26.5M	19	11.4	103.18	77.40	38.30	27.30	1.08	1.10	
BEVERLY MATERIALS	BOONE	BELVIDERE 9.1M-15.2M	19	11.46	101.30	91.40	54.80	36.30	0.86	0.92	
QUALITY AGGREGATES LLC	BOONE	IRENE 0.0M-29.0M	18	11.38	100.33	71.60	36.10	24.70	1.19	1.19	
EAGLE CREEK QUARRY	CARROLL	MILLEDGEVILLE +2.7-11.0M.	21	11.47	96.44	81.20	64.10	50.60	0.78	0.94	
CONMAT INC	CARROLL	LANARK 0.0-16.8 M. NW FACE	21	11.41	100.02	70.20	36.50	27.50	1.15	1.2	
WENDLING QUARRIES INC	CARROLL	MT CARROLL 18.0-31.7+3.0-18.0 M.	21	12.24	97.52	67.90	36.60	27.20	1.20	1.25	
SAVANNA QUARRIES	CARROLL	WACKER 0.0 - 31.1 M. N. FACE	19	11.27	98.77	75.40	42.20	30.70	1.06	1.12	
PANA LIMESTONE	CHRISTIAN	PANA COMBINED LEDGES	30	0.46	90.83	90.10	42.00	24.10	1.18	1.14	
CASEY STONE COMPANY	CLARK	CASEY FULL FACE	31	0.45	90.97	86.40	51.00	34.40	1.01	1.08	
MID- ILLINOIS QUARRY	CLARK	CASEY FULL FACE WEST PIT	31	0.36	86.98	98.70	46.80	28.80	1.10	1.10	
QUALITY LIME	CLARK	EAST MARSHALL WEST LEDGE REG PRODUCTION THIS SAMPLE BEFORE NEW PRODUCTION OF FM 22 MATERIAL	20	1.20	33.89	98.30	46.40	29.50	2.82	2.84	
CHARLESTON STONE	COLES	CHARLESTON EAST LEDGE REG PRODUCTION	32	1.50	68.24	99.30	51.40	31.70	1.33	1.35	

Limestone Analysis Report Summary

Producers grouped by County where product is available (Illinois Counties then surrounding states) - Samples L-001 – L-0159

Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
CHARLESTON STONE	COLES	CHARLESTON EAST LEDGE FINE PRODUCTION	23	0.47	91.13	99.40	38.80	16.40	1.28	1.12	
VULCAN MATERIALS	COOK	BARTLETT LEVEL 1 & 2A	21	12.02	101.01	74.60	41.80	30.30	1.05	1.11	
VULCAN MCCOOK	COOK	MCCOOK VARIOUS LEDGES,CHIP PLANT SCREENING	18	11.06	95.92	89.80	49.80	34.60	0.95	1.02	
HANSON MATERIAL SERVICE	COOK	MCCOOK VARIOUS LOCATIONS	15	9.50	81.63	89.40	47.90	33.40	1.15	1.21	
HANSON MATERIAL SERVICE YARD	COOK	THORTON MAIN QUARRY LEDGES 2 & 3	19	11.11	98.84	99.90	53.61	33.40	0.89	0.92	
VULCAN MATERIALS	DEKALB	DEKALB VARIOUS LEDGES	21	12.42	101.64	96.20	63.20	46.23	0.74	0.84	
VULCAN MATERIALS	DEKALB	SYCAMORE VARIOUS LEDGES	21	11.93	96.48	89.70	50.00	36.90	0.93	1.01	
TUSCOLA STONE COMPANY	DOUGLAS	TUSCOLA VARIOUS LEDGES AND LOCATIONS	15	9.11	84.61	82.10	47.00	35.20	1.12	1.22	
SHEELY AGGREGATES	EDGAR		20	12.52	101.65						TO FINE TO SIEVE
KIMATERIALS-KANE	GREENE	KANE VARIOUS LEDGES AND LOCATIONS	27	2.80	87.80	64.40	31.20	20.90	1.53	1.49	
LAFARGE NA (AUX SABLE QUARRY)	GRUNDY	MORRIS 0-75' LEDGE	18	2.82	94.63	93.30	57.00	38.90	0.88	0.96	
R.L. O'NEAL QUARRIES	HANCOCK	PLYMOUTH 0M-12.2M LEDGE 1	24	1.50	78.61	87.60	52.80	35.30	1.14	1.22	
R.L. O'NEAL QUARRIES	HANCOCK	PLYMOUTH 13.7M-44.8M LEDGE 2 AND 3	25	3.51	89.18	82.90	51.70	38.40	1.00	1.11	
GRAY QUARRIES	HANCOCK	HAMILTON 48.8M-54.9M LEDGE 5	27	3.31	98.52	97.20	67.20	52.20	0.71	0.84	
GRAY QUARRIES	HANCOCK	HAMILTON COMMON STOCKPILE	27	2.91	90.55	69.90	33.90	26.19	1.32	1.36	

Limestone Analysis Report Summary

Producers grouped by County where product is available (Illinois Counties then surrounding states) - Samples L-001 – L-0159

Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
LAFARGE HC #3	HARDIN	ROSLARE VARIOUS LEDGES AND LOCATIONS	33	2	93.26	83.90	47.10	29.80	1.07	1.10	
HASTIE MINING	HARDIN	CAVE IN ROCK VARIOUS LEDGES AND LOCATIONS	33	0.20	88.36	80.40	50.50	36.60	1.04	1.14	
CESSFORD CONSTRUCTION- DALLAS CITY	HENDERSEN	DALLAS CITY KEOKUK/BURLINGTON LEDGES 120' face	31	1.54	93.43	78.60	47.50	32.80	1.05	1.12	
CESSFORD CONSTRUCTION- BIGGSVILLE	HENDERSEN	BIGGSVILLE KEOKUK & CEDAR FORK	27	3.95	82.22	87.00	58.20	43.80	0.98	1.12	
RIVERSTONE GROUP INC	HENRY	CLEVELAND LEDGES 2 & 3	19	10.92	101.90	90.90	43.40	27.10	1.01	1.00	
PRAIRIE MATERIALS	IROQUOIS	ASHKUM REGULAR GRINDS/ A LEDGE	29	3.39	84.6	85.00	42.50	31.39	1.18	1.25	
KINCAID STONE COMPANY	JACKSON	AVA VARIOUS LEDGES REGULAR PRODUCTION	31	1.48	86.09	84.40	41.89	26.19	1.24	1.24	
KINCAID STONE COMPANY	JACKSON	AVA VARIOUS LEDGES FINE AG LIME	32	1.07	89.86	89.70	45.10	29.39	1.10	1.12	
CALHOUN QUARRY INC EAST	JERSEY	FIELDON 30'-50' LEDGE 1 NORTH	30	1.84	93.48	96.50	50.70	33.00	0.96	1.01	
CONMAT INC	JO DAVIESS	ELIZABETH 2.5-22.3 M. N. FACE, UPPER LEDGE	21	12.41	100.81	79.09	42.39	30.19	1.03	1.08	
LOUIE'S AGGREGATE COMPANY	JO DAVIESS	GUILFORD 0.0-13.7 M.	21	12.01	97.33	71.30	34.30	24.40	1.25	1.26	
LOUIE'S AGGREGATE COMPANY	JO DAVIESS	NORA 0.0-10.7 M. S. FACE	22	12.15	98.06	72.80	36.50	26.80	1.17	1.21	
HDI QUARRY	JO DAVIESS	PLEASANT VALLEY 9.1 - 14.6 M. LOWER LEDGE	16	8.77	71.52	91.20	58.50	46.60	1.04	1.21	
CONMAT INC	JODAVIESS	SCALES MOUND 0.0-12.2 M. N. FACE	21	11.78	95.84	83.50	43.40	31.60	1.04	1.10	

Limestone Analysis Report Summary

Producers grouped by County where product is available (Illinois Counties then surrounding states) - Samples L-001 – L-0159

Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
CONMAT INC	JODAVIESS	STOCKTON 0.0 - 15.2 M. E. FACE	21	12.10	99.44	75.00	37.70	28.50	1.11	1.17	
FISCHER EXCAVATING INC	JODAVIESS	STOCKTON 0.0 - 18.3 M. E. FACE	20	11.92	96.68	76.90	41.20	30.80	1.08	1.15	
SHAWNEE STONE	JOHNSON	CYPRESS VARIOUS LEDGES AND LOCATIONS	32	1.36	93.02	86.30	45.60	27.70	1.10	1.10	
SOUTHERN ILLINOIS STONE	JOHNSON	BUNCOMBE VARIOUS LEDGES AND LOCATIONS	30	1.13	89.71	76.30	35.30	22.90	1.34	1.31	
LAFARGE CONCO	KANE	NORTH AURORA FINE AGLIME	29	6.32	96.23	99.90	83.59	60.30	0.64	0.77	
LAFARGE CONCO	KANE	NORTH AURORA COARSE AGLIME	30	5.75	94.48	76.00	47.20	36.80	1.00	1.12	
LAFARGE	KANE	SOUTH ELGIN LEVEL 1 BENCH	22	12.67	102.32	66.40	33.30	23.60	1.23	1.24	
VULCAN LEHIGH	KANKAKEE	KANKAKEE FINE GRIND/LEDGE 1	19	11.10	88.57	90.60	51.90	39.90	0.97	1.08	
VULCAN MATERIALS	KANKAKEE	MANTENO REGULAR GRIND/ DE LEDGE	20	11.37	94.05	74.80	35.90	24.90	1.25	1.26	
PRAIRIE MATERIALS	KANKAKEE	MANTENO REGULAR GRINDS / B LEDGE	19	11.05	87.83	81.80	38.50	26.10	1.26	1.27	
LAFARGE NORTH AMERICA	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS FINE	18	10.30	99.33	87.10	49.30	32.70	0.95	1.00	
VULCAN-LISBON	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS FINE MATERIAL	18	10.66	98.47	95.10	48.50	34.00	0.93	0.98	
VULCAN-LISBON	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS COURSE MATERIAL	18	10.32	97.69	71.00	34.10	25.90	1.22	1.26	
CENTRAL LIMESTONE	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS	22	11.38	99.14	89.30	50.40	33.70	0.93	0.98	

Limestone Analysis Report Summary

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Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
HERITAGE AGGREGATES	LAKE	LOWELL COURSE GRIND / LEVEL 3	18	11.40	104.18	76.20	38.10	25.40	1.10	1.10	
PRAIRIE	LAKE	LOWELL COURSE AG LIME	19	11.38	90.73	66.50	32.80	24.40	1.38	1.40	
RIVERSTONE GROUP INC	LASALLE	OGLESBY IL VARIOUS LEDGES	32	3.64	97.11	84.70	53.00	39.60	0.89	1.00	
RIVERSTONE GROUP INC	LASALLE	TROY GROVE VARIOUS LEDGES SAND FINE LIME	19	10.89	96.13	72.20	30.80	19.30	1.39	1.31	
RIVERSTONE GROUP INC	LASALLE	TROY GROVE VARIOUS LEDGES EXTRA FINE LIME	15	8.69	96.80	98.60	90.50	87.50	0.53	0.74	
RIVERSTONE GROUP INC	LASALLE	TROY GROVE VARIOUS LEDGES FINE LIME	18	10.81	94.85	98.30	60.40	48.10	0.79	0.92	
LAFARGE-UTICA	LASALLE	UTICA VARIOUS LEDGES AND LOCATIONS FINE LIME	14	8.66	78.06	97.50	49.00	33.40	1.16	1.21	
CONMAT-PALMYRA	LEE	DIXON LEDGE-006 4.6 - 19.8M (15-65')	18	11.07	104.15	79.70	50.50	39.20	0.86	0.97	
RENNER QUARRIES LTD	LEE	ELDENA 008 3M-23.2M	20	11.21	101.45	81.59	57.60	39.70	0.84	0.93	
PRAIRIE MATERIALS	LIVINGSTON	OCOYA 6.0 M FACE	28	0.90	78.66	95.30	48.20	30.60	1.20	1.22	
VALLEY VIEW INDUSTRIES	LIVINGSTON	MCDOWELL 4.0 M LEDGE BLENDED LIME	27	0.94	90.62	93.90	52.50	34.60	0.98	1.03	
VALLEY VIEW INDUSTRIES	LIVINGSTON	MCDOWELL 4.0 M LEDGE FINE (MILLED) LIME	33	0.87	85.80	96.70	67.10	46.30	0.86	0.97	
HANSON MATERIAL SERVICE YARD 10	LOGAN	LINCOLN COMBINED LEDGES	36	1.12	84.59	78.60	39.90	25.19	1.32	1.32	
KIMATERIALS-KANE	MADISON	VARIOUS LEDGES AND LOCATIONS	23	5.15	86.86	85.70	48.90	36.70	1.05	1.15	
BLUFF CITY MINERALS	MADISON	BLUFF CITY ANFO HEADINGS 3E15 BENCH 2E36	31	1.78	94.40	79.70	39.60	25.30	1.18	1.18	

Limestone Analysis Report Summary

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									1 Yr.	4 Yr.	
ITICAL PELLET LIME	MADISON	ALTON LEDGES 1-2 ANFO HEADINGS 3E15 BENCH 2E36	28	3.11	88.29						PELLIME
CENTRAL STONE- TENNESSEE	MCDONOUGH	COLCHESTER L1	29	0.68	75.85	85.10	50.20	34.50	1.22	1.31	
HANSON MATERIAL SERVICE YARD 17	MENARD	ATHENS COMBINED LEDGES	32	0.42	85.83	86.80	38.50	26.60	1.26	1.26	
COLUMBIA QUARRY #7	MONROE	WATERLOO 24.4M LEDGE 1-3	30	2.71	91.59	83.59	38.50	26.60	1.18	1.2	
NOKOMIS QUARRY	MONTGOMERY	NOKOMIS COMBINED LEDGES FINE GRIND AG LIME	33	0.56	91.97	99.10	50.60	30.50	1.00	1.01	
NOKOMIS QUARRY	MONTGOMERY	NOKOMIS COMBINED LEDGES COURSE AG LIME	34	0.56	98.26	80.10	38.80	23.20	1.17	1.14	
HANSON MATERIAL SERVICE YARD 12	MONTGOMERY	NOKOMIS COMBINED LEDGES	33	0.57	94.95	96.40	46.10	28.00	1.03	1.03	
HANSON MATERIAL SERVICE YARD 58	MONTGOMERY	NOKOMIS COMBINED LEDGES	37	0.63	92.5	100	99.60	95.30	0.51	0.73	
WAGNER AGGREGATES- FAIRDALE	OGLE	MONROE CENTER LEDGE 008 (0.0-22.3)	22	12.17	102.61	78.40	46.20	31.70	0.97	1.03	
MARTIN MATERIALS	OGLE	OREGON +1.0-16.8M	17	10.36	101.96	74.20	39.50	29.70	1.06	1.12	
V.H. CALLENDER	PIKE	PERRY LEDGE 5	30	0.99	93.39	85.40	51.30	35.30	0.98	1.05	
V.H. CALLENDER	PIKE	NEW HARTFORD LEDGE 1	33	0.55	90.52	84.50	51.90	36.60	0.99	1.08	
CENTRAL STONE	PIKE	FLORENCE .75 MILES NORTH LEDGE 5	36	1.44	94.07	75.00	43.60	31.70	1.09	1.17	
CENTRAL STONE- KINDERHOOK	PIKE	KINDERHOOK COMMON STOCKPILE	31	0.62	89.67	95.10	56.80	39.40	0.92	1.01	
W.B.SMITH	PIKE	LOUISIANA COMMON STOCKPILE	33	0.51	98.75	97.50	55.60	36.20	0.86	0.91	

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									1 Yr.	4 Yr.	
CENTRAL STONE-FESLER	PIKE	BARRY COMMON STOCKPILE	32	0.36	92.74	91.30	55.50	40.10	0.90	1.00	
MARTIN MARIETTA	PUTNAM	CLOVERDALE 58' FACE-WEST PIT,SOUTH SIDE,LEDGES 101-402	33	0.23	89.81	87.70	50.00	29.60	1.08	1.09	
BLUFF CITY MATERIAL	RANDOLPH	PRAIRIE DUROCHER 8.5 M LEDGE 1	35	0.22	97.22	80.00	45.60	28.70	1.06	1.08	
RIVERSTONE GROUP INC	ROCK ISLAND	LECLAIRE VARIOUS LEDGES AND LOCATIONS AG LIME	20	11.07	103.41	90.10	46.60	31.70	0.93	0.96	
RIVERSTONE GROUP INC	ROCK ISLAND	MILAN VARIOUS LEDGES AND LOCATIONS	19	9.62	91.24	82.10	44.00	29.10	1.13	0.82	
RIVERSTONE GROUP INC	ROCK ISLAND	OSBORN LEDGES 1 & 2	20	10.80	94.82	89.10	47.50	31.00	1.02	1.14	
RIVERSTONE GROUP INC	ROCK ISLAND	LECLAIRE VARIOUS LEDGES HY-G	28	11.40	82.15	99.80	99.40	97.70	0.57	0.71	
RIVERSTONE GROUP INC	ROCK ISLAND	LECLAIRE VARIOUS LEDGES GR-32 SCREENINGS	32	11.50	104.13	79.80	32.60	14.20	1.31	1.07	
RIVERSTONE GROUP INC	ROCK ISLAND	MCCAUSLAND VARIOUS LEDGES	32	10.84	103.29	90.20	61.10	49.30	0.73	0.86	
V.H. CALLENDER	SCOTT	GLASGOW LEDGE 1	34	0.96	93.14	80.80	38.50	26.60	1.06	1.13	
BRUSH CREEK QUARRY	SHELBY	STEWARDSON FULL FACE	8	0.43	24.65	79.30	48.20	37.40	3.76	4.19	
COLUMBIA QUARRY #9	ST CLAIR	DUPO 18.9M LEDGE 1A-5	31	1.69	90.50	95.90	78.40	60.80	0.70	0.86	
FALLINGS SPRINGS	ST CLAIR	DUPO LEDGE 1B	34	3.34	93.20	86.90	48.80	33.50	1.01	1.07	
CASPER STOLLE	ST CLAIR	DUPO LEDGE 12	35	0.77	93.68	75.00	32.70	20.80	1.36	1.3	
CONMAT INC	STEPHENSON	PEARL CITY 0.0-15.2 M. N. FACE	21	12.03	98.60	69.30	35.90	26.20	1.20	1.23	
FISCHER EXCAVATING INC	STEPHENSON	FREEPORT 0.0-9.1 M. N. FACE	21	12.65	101.90	79.40	47.80	36.00	0.92	1.02	

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Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
DOC'S EXCAVATING	STEPHENSON	LENA +3.0-15.2 M. W. FACE	21	11.78	102.93	78.50	47.30	35.20	0.93	1.02	
CONMAT INC	STEPHENSON	FREEPORT 15.2-30.5 M.	20	11.24	92.13	89.20	68.10	59.50	0.73	0.92	
CONMAT INC	STEPHENSON	ORANGEVILLE 0.0 - 15.2 M.	20	11.96	99.11	80.70	46.60	30.40	1.01	1.05	
ANNA QUARRIES INC	UNION	ANNA VARIOUS LEDGES AND LOCATIONS	31	2.10	90.28	89.30	39.90	24.80	1.20	1.17	
SHAWNEE STONE	UNION	JONESBORO VARIOUS LEDGES AND LOCATIONS	36	0.55	97.38	87.70	59.70	43.00	0.83	0.93	
HANSON MATERIAL SERVICE	VERMILLION	FAIRMOUNT SOUTH CUT 15'-18' LEDGE	37	0.47	92.68	97.30	66.50	46.90	0.79	0.90	
MONMOUTH QUARRY	WARREN	MONMOUTH KEOKUK/BURLINGTON LEDGES	36	4.65	97.0	89.90	62.90	46.10	0.79	0.91	
RIVERSTONE-VALLEY QUARRY	WARREN	ST AUGUSTINE,IL 60' LEDGE	29	2.16	85.46	94.80	63.40	46.10	0.88	1.01	
VULCAN MATERIALS LARAWAY	WILL	JOLIET 0 TO 90 FEET SOUTH FACE	18	10.41	95.20	68.30	31.40	22.30	1.36	1.34	
BOUGHTON TRUCKING	WILL	PLAINFIELD 0-135 FEET NORTH FACE	19	10.76	85.97	49.50	17.40	13.40	2.21	1.99	
MINING INTERNATIONAL	WILL	JOLIET UNDERGROUND MINE FEED 2	21	11.83	102.63	71.30	36.00	25.70	1.15	1.17	
LAFARGE	WILL	JOLIET UNDERGROUND MINE LEVEL 1 HEADING & BENCH	21	11.82	96.91	95.60	60.80	43.90	0.80	0.90	
VULCAN MATERIALS LARAWAY	WILL	BOLINGBROOK UNDERGROUND MINE LEVELS 1,3 & 4	29	5.93	93.72	89.40	60.50	46.80	0.82	0.96	
ELM HURST CHICAGO STONE	WILL	BOLINGBROOK VARIOUS LOCATIONS	16	9.84	85.37	59.10	15.30	4.90	3.39	1.92	

Limestone Analysis Report Summary

Producers grouped by County where product is available (Illinois Counties then surrounding states) - Samples L-001 – L-0159

Producer Name	County	City Address Stockpile or Ledge Location	% Ca Results	% Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Correction Factor		Comment
									1 Yr.	4 Yr.	
VULCAN MATERIALS	WILL	ROMEOWILLE VARIOUS LOCATIONS SPLIT WITH ALBERT COLON DEPT AGG RED TAG # 0002340	22	9.48	100.48	77.80	44.00	32.60	1.00	1.07	
HANSON MATERIAL SERVICE	WILL	ROMEOWILLE NORTH FACE 0 TO 132 FEET WEST QUARRY	15	8.88	81.97	76.70	38.90	21.10	1.46	1.39	
ROGERS R/M & MATERIALS	WINNEBAGO	CHERRY VALLEY LEDGE 2 12.2M-26.5M	19	11.64	102.11	81.00	50.50	30.90	0.95	0.99	
ROGERS R/M & MATERIALS	WINNEBAGO	CHERRY VALLEY LEDGE 1 0.0-12.2M	18	11.05	99.17	73.40	45.60	28.10	1.07	1.10	
SURROUNDING STATES											
WENDLING QUARRIES INC	CLINTON	CAMANCHE VARIOUS LEDGES AND BEDS	23	11.07	102.63	82.30	47.30	34.30	0.93	0.86	
MULZER CRUSHED STONE	CRAWFORD	ENGLISH LEDGE 4	29	3.37	95.95	91.50	45.70	30.90	1.01	1.04	
MULZER CRUSHED STONE	CRAWFORD	VARIOUS LEDGES AND LOCATIONS	30	2.13	94.11	100.0	61.10	39.5	0.85	0.91	
ROGERS GROUP- MITCHELL CRUSHED STONE	LAWRENCE	MITCHELL LEDGES 3-7	33	0.51	94.39	85.60	41.70	26.20	1.13	1.12	
CENTRAL STONE- TAYLOR	MARION	TAYLOR COMMON STOCKPILE	28	1.10	86.91	93.00	57.70	38.80	0.96	1.04	
FRANKLIN AGGTEGATE	MILWAUKEE	FRANKLIN WI LEVEL 9,10	19	10.95	96.72	68.90	36.10	26.60	1.21	1.26	
ROGERS GROUP- BLOOMINGTON CR ST	MONROE	BLOOMINGTON LEDGES 4-6	32	0.76	95.44	84.50	57.60	33.20	0.94	0.98	
WHITESVILLE	MONTGOMERY	CRAWFORDSVILLE PRODUCED FROM STEEL SLAG	23	6.33	69.63	99.80	59.50	32.40	1.23	1.25	

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									1 Yr.	4 Yr.	
WENDLING QUARRIES INC	MUSCATINE	ATALISSA VARIOUS LEDGES AND BEDS	31	1.52	90.25	86.20	47.00	32.20	1.07	1.12	
NEWTON COUNTY STONE	NEWTON	KENTLAND COURSE GRINDS/AREA 8, LEVEL A, LEDGES 1-2	21	12.18	97.88	85.00	35.5	24.20	1.17	1.15	
NEWTON COUNTY STONE	NEWTON	KENTLAND FINE GRINDS/AREA 8, LEVEL A, LEDGES 1-2	21	12.21	99.34	94.50	39.10	25.20	1.07	1.05	
EDW C LECY COMPANY	NONE	ACBF 002 FA00	36	5.76	79.40	98.70	75.10	25.50	1.06	0.99	
CAVE QUARRIES INC	ORANGE	PAOLI LEDGE 301-1502	30	1.02	94.69	98.50	56.30	36.30	0.89	0.94	
CALCAR QUARRIES INC	ORANGE	PAOLI LEDGES 1-16	31	1.85	95.92	88.10	45.50	29.00	1.04	1.06	
ROGERS GROUP-OWEN VALLEY QUARRY	OWEN	SPENCER LEDGES 201-501	28	2.00	88.63	85.90	43.10	28.30	1.16	1.18	
LAFARGE	PERRY	PERRYVILLE 19.5 M, LEDGES 2 + 3	32	1.37	93.68	89.50	37.00	22.80	1.21	1.16	
PAYNE & DOLAN	RACINE	RACINE WI COMBINED LEDGES	19	11.06	89.07	77.10	41.00	30.60	1.18	1.25	
CENTRAL STONE-HAMILTON	RALLS	HUNTINGTON COMMON STOCKPILE	32	0.29	91.79	99.60	77.50	51.80	0.73	0.84	
LITTLE LIMESTONE	ROCK	CLINTON 12.2 M - 18.3 M	33	10.98	98.22	82.30	65.20	55.70	0.73	0.91	
BUSSEN AT KOCH	ROCK ISLAND	ST LOUIS LEDGES 5 - 15	36	0.82	91.72	82.80	37.90	24.00	1.24	1.21	
CENTRAL STONE	ST LOUIS	ST LOUIS 3-9	30	2.23	90.49	99.80	99.70	96.70	0.52	0.75	
BUSSEN AT ANTIRE	ST LOUIS	FLORISSANT LEDGES 10 - 27	29	5.51	96.03	99.70	99.50	98.10	0.49	0.719	

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									1 Yr.	4 Yr.	
APAC	STE.GENEVIEVE	BLOOMSDALE VARIOUS LOCATIONS	34	0.78	96.62	99.00	66.30	47.90	0.76	0.87	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND CODE H	32	0.22	91.28	97.50	92.90	87.80	0.56	0.78	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND R- 0 SOIL CONDITIONER	36	0.18	96.48	51.80	37.10	27.60	1.27	1.37	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND CODE L	41	0.23	96.41	100.0	99.20	95.60	0.49	0.70	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND LIME HYDRATE	43	0.30	123.94	93.50	92.60	92.30	0.40	0.58	
TOWER ROCK STONE	STE.GENEVIEVE	STE.GENEVIEVE VARIOUS LOCATIONS	33	1.15	93.05	97.30	65.10	41.40	0.83	0.91	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND CALCIUM CARBONATE	35	0.21	96.61	97.70	95.20	93.00	0.51	0.72	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND R- 2 SOIL CONDITIONER	35	0.17	98.01	100.0	100.0	99.30	0.47	0.69	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND CODE HA	21	0.19	60.35	97.40	92.50	88.70	0.84	1.18	
MISSISSIPPI LIME COMPANY	STE.GENEVIEVE	STE.GENEVIEVE 30M UNDERGROUND R- 1 SOIL CONDITIONER	33	0.18	96.96	100.0	73.80	29.50	0.84	0.81	
LINCOLN PARK STONE	VIGO	PUTTAMVILLE L. 1-6	33	0.67	91.88	99.30	54.80	35.50	0.93	0.98	
WAUKESHA LIME	WAUKESHA	WAUKESHA WI COMBINED LEDGES 0- 185	21	12.71	103.44	90.70	39.70	31.20	0.97	1.02	
HALQUIST STONE	WAUKESHA	SUSSEX WI NORTHSIDE COMBINED LEDGES	20	10.94	89.33	97.00	80.20	66.70	0.68	0.88	

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									1 Yr.	4 Yr.	
LANNON STONE	WAUKESHA	SUSSEX WI LEDGE 2 67-100'	20	11.70	96.26	54.80	24.40	17.60	1.64	1.56	