

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.

Here 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

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.

$$\frac{46.35}{36.65} = 1.26$$

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

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
INDIANA									
BLOOMINGTON CRUSHED STONE 52102-07	BLOOMINGTON 5 MI. W.	17.7M (58') FACE - LEDGE # 1	92.96	0.23	100.0	100.0	100.0	0.50	0.73
CALCAR QUARRIES 52102-10	PAOLI 1.5 MI. E.	STOCK - 39.6M (130') FACE - LEDGES 3+4+5	94.85	1.73	87.6	46.9	30.3	1.03	1.06
CORYDON CRUSHED STONE 52102-25	CORYDON 2 MI. N.W.	LOWER 11.6M FACE - LEDGE # 1	94.35	1.91	97.9	62.7	42.2	0.82	0.91
MULZER CRUSHED STONE 52102-18	CAPE SANDY S. EDGE	19.8M (65') FACE - LEDGES 9,10, 11 - EAST QUARRY	91.33	2.20	98.0	61.2	42.6	0.85	0.95
MULZER CRUSHED STONE 52102-18	CAPE SANDY S. EDGE	18.6M FACE - LEDGES 102, 1, 6-8 - WEST QUARRY	93.97	1.07	92.7	50.4	33.3	0.97	1.02
MULZER CRUSHED STONE 52102-11	ENGLISH 3 MI. E.	STOCK - 4.3M (14') FACE - LEDGE #2	91.83	0.25	98.8	56.3	35.6	0.93	0.97
MITCHELL CRUSHED STONE 52102-04	MITCHELL 7 MI. W.	STOCK - 2-7M (9') FACE - LEDGE #1	88.69	0.25	98.2	58.5	40.3	0.91	0.99
MULZER CRUSHED STONE 52102-14	TOWER 3 MI. S.	5.8 M FACE - LEDGE # 4	94.10	2.20	91.4	48.3	29.9	1.02	1.04
MULZER CRUSHED STONE 77000-97	MT. VERNON 5 MI. S.W.	CHARLESTON QUARRY "MAG" STOCKPILE	95.04	11.42	92.7	51.7	38.0	0.91	1.00
NEWTON COUNTY STONE 52102-01	KENTLAND 2 MI. E.	C8S3 PLATTEVILLE, PECATONICA, GALENA	99.37	10.42	98.2	60.9	44.3	0.78	0.87
NEWTON COUNTY STONE 52102-01	KENTLAND 2 MI. E.	A7L18 PLATTEVILLE, PECATONICA, GALENA	96.86	9.78	95.2	52.0	34.4	0.92	0.97
OWEN VALLEY QUARRY 52102-31	SPENCER 1-1/4 MI. W.	0M - 17.7M FACE - LEDGE # 1	93.72	1.41	98.9	52.7	33.7	0.94	0.98
IOWA									
LINWOOD MINING & MINERAL 52202-08	LINWOOD	6.1M UPPER LEDGE DAV/SPG, BEDS (20- 25) 3000N-4000N & 6000E-7000E	90.50	0.16	78.7	39.4	29.2	1.18	1.24
MOLINE CONSUMERS 52202-10	LECLAIRE N. EDGE	LEDGE 4, 150-200' LEVEL, BEDS 13-19, S. SIDE OF FAULT.	100.75	12.51	84.6	46.6	34.6	0.94	1.01
MOLINE CONSUMERS 52202-16	McCAUSLAND		104.35	11.71	76.8	41.0	30.3	1.01	1.07
WENDLING-SHAFTON 52202-06	CAMANCHE	BEDS 3-15, HEIGHT 55'-60' FACE WEST SIDE	102.00	12.70	78.1	39.1	27.0	1.08	1.10
MISSOURI									
BUSSEN QUARRY 52302-65	EUREKA	LEDGES 12-14	96.61	2.58	99.9	72.5	47.2	0.73	0.82
BUSSEN QUARRY 52302-07	KOCH STATION	LEDGES 16-21 (60')	89.95	1.75	100.0	100.0	100.0	0.52	0.75

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
BUSSEN #6 AT FT. BELLE 52302-53	FLORISSANT	STOCK - VARIOUS LEDGES (POLYMERS ADDED)	63.32	2.82	100.0	100.0	100.0	0.73	1.07
BUSSEN #6 AT FT. BELLE 52302-53	FLORISSANT	STOCK - VARIOUS LEDGES	79.40	1.77	99.0	92.2	87.6	0.64	0.89
CENTRAL STONE - HUNTINGTON 52302-04	HUNTINGTON	STOCK	90.05	0.45	99.7	79.9	56.8	0.71	0.84
CENTRAL STONE 52302-46	TAYLOR N. EDGE	0M-8.5M LDG #1	90.58	1.07	94.4	54.9	36.9	0.95	1.01
MARTIN MARIETTA APPLETON QUARRY 52302-59	APPLETON S. EDGE	6.1 METER LEDGE 14A, 15A - STOCKPILE NO. 1	95.77	4.76	99.4	68.8	46.0	0.76	0.85
MARTIN MARIETTA PERRYVILLE QUARRY 52302-41	PERRYVILLE 6 MI. N.	9.4 M LEDGE NO. 2, STOCKPILE NO. 1 REGULAR LIME	92.16	3.11	87.2	38.0	24.9	1.20	1.18
MARTIN MARIETTA PERRYVILLE QUARRY 52302-41	PERRYVILLE 6 MI. N.	9.4 M LEDGE NO. 2, STOCKPILE NO. 2 FINE LIME	92.79	2.07	99.9	93.2	75.0	0.58	0.76
W.B. SMITH 52302-28	LOUISIANA S. EDGE	STOCK	95.27	0.13	96.3	60.3	41.6	0.83	0.92
WISCONSIN									
FRANKLIN AGGREGATE 52402-99	FRANKLIN	COMBINED LEDGES	100.50	14.36	68.6	33.7	24.4	1.23	1.24
LITTLE LIMESTONE, INC. 52402-96	CLINTON 1 MI. N.		96.88	11.81	95.3	81.4	74.4	0.59	0.79
WAUKESHA LIME 52402-05	WAUKESHA	COMBINED LEDGES	102.99	14.65	82.5	45.2	33.1	0.95	1.01
ADAMS									
CENTRAL STONE 50012-04	LORAINE 2 MI. S.	STOCK	79.52	3.51	83.1	49.0	37.2	1.15	1.27
CENTRAL STONE 50012-33	MARBLEHEAD N.E. EDGE	0-9.1M LEDGE #1	97.26	1.45	90.0	56.5	40.8	0.85	0.95
CENTRAL STONE 50012-06	QUINCY 5 MI. E.	VARIOUS LEDGES	86.19	0.42	93.1	55.1	37.4	0.99	1.07
CENTRAL STONE 50012-22	RICHFIELD 1 MI. S.E.	STOCKPILE	84.82	3.40	82.6	54.9	39.8	1.02	1.14
BOONE									
CHARLES LEE & SON 50072-02	IRENE 1 MI. S.	0-86'	97.25	11.68	88.7	52.0	37.6	0.90	0.99
ROCKFORD SAND AND GRAVEL 50072-01	BELVIDERE 3 MI. S.W.	0-86'	99.75	12.23	87.3	51.4	37.3	0.89	0.97
CARROLL									
EAGLE CREEK QUARRIES 50152-53	MILLEDGEVILLE 1.5 MI. N.E.	1.8M-12.2M	97.81	5.18	79.8	52.3	39.3	0.91	1.02

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
FISCHER EXCAVATING 50152-93	GEORGETOWN 1 MI. N.	6.1-13.7M SOUTH FACE	82.21	9.80	71.0	41.1	31.6	1.29	1.39
HEISLER STONE 50152-16	MT. CARROLL 5 MI. E.	6.1-15.2M, S.W. FACE	102.24	12.02	83.0	50.5	35.6	0.90	0.98
LOBERG EXCAVATING 50152-78	LANARK 3 MI. N.	0-16.8M NEW WEST FACE	97.14	11.62	89.3	52.3	37.9	0.90	0.98
NELSON QUARRY PRODUCTS 50152-71	LANARK 1 MI. N.W.	0-10.7M WEST FACE	100.00	11.75	86.7	57.6	35.4	0.87	0.93
SAVANNA BLACKTOP & QUARRY 50152-92	WACKER 2 MI. N.W.	15.2-24.4M FACE, N. FACE	102.49	12.96	75.5	43.6	31.1	1.01	1.07
WENDLING QUARRIES 50152-74	MT. CARROLL 2 MI. W.	3.1M-18.0M NORTH FACE	98.88	11.48	78.3	43.3	31.1	1.04	1.10
CHRISTIAN									
MARTIN MARIETTA 50212-04	PANA	COMBINED LEDGES	91.04	0.56	72.6	34.9	24.8	1.31	1.32
CLARK									
QUALITY LIME 50232-05	MARSHALL 1.5 MI. S.E.	SOUTH PIT, BOTTOM LEDGE	87.31	1.86	99.2	55.6	35.7	0.98	1.03
VULCAN MATERIALS 50232-02	CASEY	6M FULL FACE, GRID LOC. AC48	89.05	0.41	80.4	32.6	21.0	1.39	1.33
COLES									
CHARLESTON STONE 50292-02	CHARLESTON	EAST PIT, TOP LEDGE, 12 FT.	81.47	0.37	81.5	40.2	29.2	1.30	1.35
CHARLESTON STONE 50292-02	CHARLESTON	EAST PIT, TOP LEDGE, FA20 PLANT, 12 FT. LEDGE	77.74	0.50	99.1	78.7	52.8	0.85	0.99
COOK									
MATERIAL SERVICE 50312-02	LAGRANGE	VARIOUS LEDGES - STOCKPILE	101.37	14.49	76.7	35.5	23.4	1.18	1.16
MATERIAL SERVICE 50312-04	THORNTON	LEVELS 1, 2 & 3	101.51	11.66	94.7	48.4	32.6	0.91	0.95
VULCAN MATERIALS - MCCOOK 50312-78	MCCOOK	VARIOUS LEDGES - MAIN PLANT	95.02	13.56	74.2	39.5	28.6	1.15	1.20
DEKALB									
ELMER LARSON LLC 50372-02	CORTLAND 2.5 MI. N.E.	0-34'	92.16	13.44	93.5	53.0	40.6	0.91	1.01
VULCAN MATERIALS 50372-01	SYCAMORE 3 MI. N.	0-172'	103.48	12.31	75.2	44.3	30.5	1.00	1.05

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
DOUGLAS									
TUSCOLA STONE CO. 50412-01	TUSCOLA 1.5 MI. S.E.	ALL LEDGES	88.13	10.35	91.6	50.8	37.8	0.99	1.09
GREENE									
ORTON QUARRY 50612-01	HILLVIEW 1.5 MI. S.	LEVEL 1, 18.3M	98.24	5.80	85.2	56.3	42.6	0.84	0.96
VALSTAD QUARRY 50612-02	KANE 3.5 MI. W.	BENCH 5, 6 - 13.7M	90.67	1.45	76.4	37.6	24.1	1.28	1.27
HANCOCK									
CENTRAL STONE 50672-01	CARTHAGE 4.5 MI. E.	VARIOUS LEDGES	64.32	2.58	86.1	56.0	44.3	1.27	1.47
GRAY 50672-03	HAMILTON W. EDGE	VARIOUS LEDGES, COMMON STOCKPILE	88.93	2.53	68.7	36.5	27.4	1.30	1.36
GRAY 50672-03	HAMILTON W. EDGE	35.1M - 54.9M LEDGE #4-7	91.42	3.00	75.7	40.5	31.5	1.15	1.23
R.L. O'NEAL 50672-04	PLYMOUTH 3 MI. NW.	VARIOUS LEDGES	79.85	1.94	88.8	52.9	35.9	1.11	1.20
HARDIN									
HASTIE MINING 50692-04	CAVE-IN-ROCK 3 MI. N.E.	0-42' BELOW ROSICLARE SANDSTONE	84.19	2.14	82.2	43.4	28.7	1.23	1.26
MARTIN MARIETTA HC #1 50692-07	CAVE-IN-ROCK 2 MI. N.	153-219' BELOW ROSICLARE SANDSTONE	95.13	3.20	85.6	46.4	29.6	1.05	1.07
MARTIN MARIETTA HC #2 50692-02	CAVE-IN-ROCK 2 MI. N.	STOCKPILE	85.50	1.85	87.8	43.7	28.8	1.19	1.21
MARTIN MARIETTA ROSICLARE PLANT 50692-09	ROSICLARE 4 MI. W.	STOCKPILE	90.38	1.08	75.6	37.9	25.9	1.26	1.28
HENDERSON									
BIGGSVILLE QUARRY (CESSFORD) 50712-03	BIGGSVILLE	HAIGHT CREEK & DOLBEE CREEK, 50' TO 115'	77.49	5.10	85.6	54.2	43.2	1.07	1.24
HENRY									
MOLINE CONSUMERS CO. 50732-12	CLEVELAND EAST	LEDGE 8, 65.5-77.7M (215-255 FT.) LEVEL	103.48	12.90	96.3	70.3	41.8	0.73	0.79
IROQUOIS									
PRAIRIE MATERIALS 50752-01	ASHKUM 8 MI. W.	A LEDGE GRID QP6	91.46	1.95	70.9	31.9	21.8	1.40	1.37

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
JACKSON									
KINKAID STONE 50772-02	AVA 5 MI. S.W.	0-7.6M BEL. SH., WILSON PIT	89.20	1.23	83.7	43.8	29.1	1.15	1.18
JERSEY									
CALHOUN QUARRY (EAST) 50832-03	HARDIN 4 MI. E.	LEVEL 2, 17.07M	94.15	0.89	87.2	50.2	33.5	0.99	1.04
VALSTAD QUARRY (FIELDON) 50832-02	FIELDON 2 MI. S.	BENCH #10 (29 FT.) 8.83M	80.60	0.92	85.7	46.9	33.0	1.19	1.26
JO DAVIES									
CONMAT, INC. 50852-61	ELIZABETH 1 MI. W.	0-21.3M NW FACE, FINES - WASH OPER. (FINE LIME)	98.75	12.56	78.4	50.1	38.8	0.92	1.03
CONMAT, INC. 50852-61	ELIZABETH 1 MI. W.	0-70' N.W., 0-21.3M NW FACE	91.88	11.28	100.0	100.0	100.0	0.50	0.73
CONMAT, INC. 50852-06	GALENA 1 MI. S.	60'-100' (18.3M-30.5M)	92.25	5.13	87.1	47.7	35.3	1.00	1.09
CONMAT, INC. 50852-29	GALENA 3 MI. N.W.	0'-50' WEST (0-15.2M WEST FACE)	96.25	11.11	91.3	63.2	50.0	0.77	0.91
CONMAT, INC. 50852-18	SCALES MOUND 1.5 MI. S.	0'-50' NORTH (0-15.2M NORTH FACE)	93.09	11.12	93.2	54.5	41.9	0.88	0.99
CONMAT, INC. 50852-67	STOCKTON 4 MI. N.	0-50' N.W. (0-15.2M NW FACE)	97.50	11.51	81.5	49.5	37.6	0.93	1.04
FISCHER EXCAVATING 50852-20	STOCKTON 2.5 MI. S.W.	0-18.3M	96.86	12.08	84.9	48.2	35.7	0.96	1.04
JOHNSON									
SOUTHERN ILLINOIS STONE 50872-03	BUNCOMBE 2.5 MI. N.E.	VARIOUS	86.93	1.52	75.9	39.9	28.4	1.25	1.30
VULCAN CYPRESS 50872-02	CYPRESS 3 MI. S.	30.8-46.6M BAV, N. FACE	89.82	1.85	80.4	42.1	27.6	1.19	1.21
KANE									
CONCO WESTERN STONE 50892-01	NORTH AURORA	VARIOUS LOCATIONS	96.14	5.33	98.1	59.8	40.8	0.83	0.91
FOX RIVER STONE 50892-02	SOUTH ELGIN	40' LEDGE, SOUTH CELL, WEST SIDE	94.42	11.83	79.7	37.5	26.3	1.19	1.20
KANKAKEE									
PRAIRIE GROUP NORTH CENTRAL 50912-06	MANTENO 5 MI. S.W.	A LEDGE GRID OPQ21, LEDGE FOOTAGE 6'-65'	100.75	11.88	81.6	39.7	25.8	1.09	1.09
VULCAN LEHIGH 50912-02	KANKAKEE 7 MI. W.	GRID I9, BC LEDGE, 41' TO 82'	96.11	11.90	82.0	40.8	29.0	1.10	1.13
VULCAN MATERIALS 50912-04	MANTENO 3 MI. S.	ABC LEDGE, GRID AE42, 0-72'	102.32	12.61	75.0	40.6	29.2	1.05	1.10

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
KENDALL									
CENTRAL LIMESTONE 50932-01	LISBON 2.5 MI. E.	0-80' VARIOUS LOCATIONS	98.99	7.77	99.5	78.2	60.0	0.64	0.78
VALLEY RUN STONE 50932-02	LISBON 1.5 MI. E.	0-120' VARIOUS LOCATIONS	95.35	10.73	83.2	43.6	32.6	1.04	1.11
LASALLE									
MOLINE CONSUMERS 50992-04	LOWELL	VARIOUS LEDGES & LOCATIONS	89.20	3.46	87.2	56.8	40.4	0.94	1.05
MOLINE CONSUMERS 50992-01	TROY GROVE 1/4 MI. E.	VARIOUS LOCATIONS 0-80' FINE	78.02	8.32	99.6	99.2	96.4	0.61	0.87
MOLINE CONSUMERS 50992-01	TROY GROVE 1/4 MI. E.	VARIOUS LOCATIONS 0-80'	93.59	10.73	84.7	48.3	38.1	0.97	1.08
UTICA STONE 50992-02	UTICA 0.5 MI. S.	0-36' LEDGE GRID 0- 22/P-22 COARSE GRIND	71.89	10.54	67.6	32.7	24.4	1.74	1.76
UTICA STONE 50992-02	UTICA 0.5 MI. S.	0-36' LEDGE GRID 0- 22/P-22 FINE GRIND	69.03	9.41	99.0	64.2	45.6	1.08	1.22
LEE									
FRANK N. BUTLER CO. 51032-30	LEE CENTER 2 MI. E.	0-18.3M, N. FACE	95.98	11.58	83.2	48.5	39.2	0.94	1.06
MACKLIN, INC. 51032-39	STEWARD 2.5 MI. S.W.	0-20.4M & 13.7M-20.4M	92.09	11.26	81.0	51.2	38.1	0.98	1.09
PRAIRIE MATERIALS 51032-80	DIXON 0.5 MI. E.	3.7M-11M & 6.1M-14.6M	90.81	11.66	77.5	40.7	30.8	1.15	1.23
RENNER QUARRIES, LTD. 51032-04	AMBOY 1.5 MI. W.	0-19.8M N. FACE	101.75	11.99	81.9	49.2	32.1	0.95	1.00
RENNER QUARRIES, LTD 51032-76	ELDENA 2.5 MI. W.	23.2M-28M	98.30	11.94	74.0	42.6	30.0	1.07	1.13
WASTONE QUARRY CO. 51032-47	DIXON W.	+6.1M-21.3M & 3M-21.3M	101.00	11.87	78.8	49.6	34.8	0.93	1.01
LIVINGSTON									
PRAIRIE MATERIALS 51052-15	MCDOWELL	3.5M FACE, VARIOUS LOCATIONS	89.18	0.72	78.7	38.5	26.4	1.25	1.27
PRAIRIE MATERIALS 51052-17	OCAYA	6.5M FACE, VARIOUS LOCATIONS	77.74	0.90	85.9	49.4	37.0	1.16	1.28
VALLEY VIEW 51052-13	OCAYA	4.5M FACE, VARIOUS LOCATIONS, MILLED	89.80	0.94	98.6	73.3	55.4	0.74	0.89
VALLEY VIEW 51052-13	OCAYA	4.5M FACE, VARIOUS LOCATIONS, BLENDED	90.17	0.95	96.6	60.8	43.4	0.86	0.97
LOGAN									
MATERIAL SERVICE #10 51072-05	LINCOLN 4 MI. W.S.W.	COMBINED LEDGES	88.68	1.20	86.2	42.5	29.0	1.16	1.18

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								1 YEAR	4 YEAR
MADISON									
ALBY QUARRY 51192-03	ALTON	BENCH # 12, 7.0M	88.43	8.80	99.8	66.1	44.4	0.85	0.94
BLUFF CITY MINERALS 51192-02	ALTON S.W. EDGE	LEVEL 1,2 22.86M	90.08	2.28	81.2	43.0	30.4	1.14	1.19
HIGH CAL PELLET LIME 51192-04	ALTON S.E. EDGE	LEVEL # 1, 2 22.9M	89.57	1.32	99.6	95.7	80.6	0.58	0.77
LOHR QUARRY 51192-01	GODFREY 3.5 MI. NW.	LEVEL 1-3, 54 FT.	88.93	7.99	77.1	41.0	30.8	1.18	1.25
MCDONOUGH									
CENTRAL STONE CO. 51092-01	COLCHESTER	30' - AT 650 BT 250	70.65	2.32	94.5	57.7	42.4	1.14	1.27
MCCLURE QUARRIES 51092-02	TENNESSEE 1 MI. N.	N.W. FACE (GRID #7)	78.64	4.78	92.3	56.2	44.6	1.02	1.17
MENARD									
MATERIAL SERVICE #17 51292-02	ATHENS 4 MI. N.	COMBINED LEDGES	88.56	0.74	90.7	44.9	30.9	1.10	1.14
MONROE									
COLUMBIA QUARRY CO. #7 51332-04	WATERLOO 3 MI. SOUTH	STOCKPILE NO. 1, 24.4 METER, LEDGE 1-3	93.91	3.34	92.0	48.2	33.4	0.99	1.04
MONTGOMERY									
MATERIAL SERVICE # 12 51352-01	NOKOMIS 3 MI. N.	COMBINED LEDGES	94.60	0.42	85.7	40.2	25.9	1.14	1.14
MATERIAL SERVICE #58 51352-04	NOKOMIS 3 MI. N.	COMBINED LEDGES	92.59	0.45	93.6	50.6	35.3	0.97	1.03
NOKOMIS QUARRY 51352-03	NOKOMIS 4 MI. N.	COMBINED LEDGES - AGG LIME	91.58	0.70	83.4	41.4	27.8	1.15	1.17
NOKOMIS QUARRY 51352-03	NOKOMIS 4 MI. N.	COMBINED LEDGES - PEP LIME	93.72	0.68	99.5	52.8	32.7	0.95	0.97
OGLE									
ALLIANCE MATERIALS 51412-71	WOOSUNG N.E. EDGE	5.5M-13.7M S. FACE	100.75	11.74	81.7	50.4	34.6	0.93	1.00
FISCHER EXCAVATING 51412-58	FORRESTON N.W.	+3.1M-15.2M	98.12	12.24	86.7	57.6	39.3	0.86	0.95
FISCHER EXCAVATING 51412-00	MONROE CENTER 2 MI. N.	0-12.2M, N. FACE	98.74	11.73	73.0	43.7	32.7	1.03	1.12
MACKLIN, INC. 51412-68	ROCHELLE E.	0-30.5M	95.98	11.53	84.4	42.8	30.9	1.05	1.10
ROGERS READY MIX & MATERIALS 51412-32	BYRON N. EDGE	0-18.3M	93.53	11.14	69.6	40.9	32.5	1.13	1.24

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
SHEELY AGGREGATES 51412-07	ADELINE 1 MI. N.W.	0-12.2M	97.11	11.41	86.0	52.2	39.0	0.90	1.00
WASTONE QUARRY CO. 51412-47	OREGON 2 MI. N.W.	+2.3M-13.7M	94.23	11.90	74.0	43.6	32.7	1.08	1.17
PIKE									
CENTRAL STONE 51492-41	BARRY 2 MI. W.	STOCK	87.56	0.70	91.3	56.8	40.1	0.95	1.05
CENTRAL STONE 51492-43	CHAMBERSBURG S.W. EDGE	VARIOUS LEDGES	67.79	0.56	82.4	47.2	35.8	1.38	1.52
CENTRAL STONE 51492-04	FLORENCE	COMBINED LEDGES	81.91	0.90	85.0	51.0	36.7	1.10	1.20
CENTRAL STONE 51492-05	KINDERHOOK 1 MI. E.	STOCK	88.32	1.20	93.8	55.7	37.3	0.96	1.04
LACEY & BAUER 51492-03	PEARL	COMBINED LEDGES	91.58	1.02	83.4	50.6	37.5	0.98	1.09
V.H. CALLENDER 51492-01	NEW HARTFORD	LEDGE #1	83.42	1.09	81.8	48.9	36.2	1.11	1.22
V.H. CALLENDER 51492-42	PERRY	COMBINED LEDGES	73.87	1.07	84.7	49.0	36.5	1.24	1.36
V.H. CALLENDER 51492-02	VALLEY CITY	COMBINED LEDGES	82.04	0.64	78.8	44.2	31.3	1.24	1.31
RANDOLPH									
MARTIN MARIETTA KASKASKIA QUARRY 51572-05	PRAIRIE DU ROCHER	STOCKPILE NO. 1, 12.2M LEDGE NO 1	96.39	0.26	83.0	42.5	26.0	1.11	1.11
ROCK ISLAND									
MOLINE CONSUMERS CO. 51612-31	MILAN N.E. EDGE		96.14	8.08	81.2	46.9	36.6	0.97	1.08
MOLINE CONSUMERS 51612-23	OSBORN 1.5 MI. N.	LEDGES 1,2 & 3, 0- 21.3M (0-70') LEVEL	99.63	11.74	92.0	51.9	29.6	0.95	0.95
SCOTT									
V.H. CALLENDER 51712-01	GLASGOW	COMBINED LEDGES	94.85	0.79	83.2	50.7	34.4	0.98	1.05
SHELBY									
BRUSH CREEK 51732-01	STEWARDSON	PICKISH PIT, 20 FT LEDGE	34.83	1.77	79.8	39.6	28.5	3.09	3.19
ST. CLAIR									
CASPER STOLLE 51632-05	DUPO	LEDGE 2-4 (21.5M)	89.80	3.71	86.8	43.5	30.2	1.12	1.16
COLUMBIA QUARRY CO. #1 51632-01	COLUMBIA	STOCKPILE NO. 1, 12.2M LEDGE #6	94.40	2.49	85.9	41.7	26.5	1.12	1.12

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
COLUMBIA QUARRY CO. #9 51632-09	DUPO	STOCKPILE NO. 1, 10.4M LEDGE 1A & 2	96.27	0.47	78.3	43.8	30.7	1.06	1.12
FALLING SPRINGS 51632-03	FALLING SPRINGS	LEDGE 1B, 110'	93.53	2.49	79.6	38.2	27.3	1.18	1.21
STEPHENSON									
CONMAT, INC. 51772-28	FREEPORT 1 MI. E.	50'-100' WEST (15.2M- 30.5M WEST FACE)	96.92	11.81	79.9	50.7	37.7	0.94	1.04
CONMAT, INC. 51772-27	ORANGEVILLE 1 MI. S.W.	0'-50' WEST (0-15.2M WEST FACE)	99.63	12.71	91.4	59.2	40.4	0.82	0.90
CONMAT, INC. 51772-83	PEARL CITY 3 MI. W.	0'-50' N.W. (0-15.2M NW FACE)	95.48	11.80	86.9	48.4	36.8	0.95	1.04
CONMAT, INC. 51772-01	ROCK CITY 1 MI. E.	0-50' SOUTH, (0-15.2M SOUTH FACE)	95.13	12.19	82.1	49.9	38.9	0.94	1.06
FISCHER EXCAVATING 51772-88	FREEPORT 0.5 MI. N.W.	1.5M-11.6M	98.88	11.79	88.6	57.0	39.0	0.85	0.94
FISCHER EXCAVATING 51772-51	FREEPORT 3 MI. N.E.	0-9.1M, N. FACE	99.81	12.50	85.4	50.7	36.6	0.90	0.99
UNION									
ANNA QUARRIES 51812-02	ANNA N.E. EDGE	96.6-110.6 M BAV, OVER N. PORTION OF LEDGE	89.32	1.12	82.7	49.2	35.8	1.04	1.13
VULCAN - JONESBORO 51312-03	JONESBORO 5 MI. S.	VARIOUS	96.61	4.05	97.9	70.6	52.1	0.72	0.84
VERMILION									
MATERIAL SERVICE 51832-01	FAIRMOUNT 2 MI. W.	4.3 M FACE	94.53	0.26	91.4	44.9	29.0	1.05	1.06
WARREN									
MOLINE CONSUMERS CO. 51872-01	ST. AUGUSTINE	0-60, SOUTH QUARRY	87.94	2.55	95.6	66.4	49.9	0.82	0.96
WHITESIDE									
ALLIANCE MATERIALS 51952-86	COLETA 6 MI. E.	0-21.3M	99.31	10.51	77.4	42.5	30.7	1.04	1.10
F.N. BUTLER, CO. 51952-59	EMERSON 1 MI. S.E.	0-23.5M N. FACE	89.50	14.63	75.8	43.0	33.0	1.13	1.23
WILL									
BOUGHTON TRUCKING 51972-08	PLAINFIELD	9.1M-27.4M STOCKPILE	87.00	10.81	54.2	19.7	14.7	2.02	1.84
ELMHURST CHICAGO STONE 51972-10	ROMEOVILLE	0-50' (0-15.2M)	91.29	12.75	74.1	40.2	30.3	1.17	1.25
VULCAN MATERIALS 51972-09	BOLINGBROOK	6.1M - 36.6M, STOCKPILE	86.07	12.04	73.4	37.7	28.4	1.30	1.36

COUNTY PRODUCER NAME	CITY ADDRESS	STOCKPILE OR LEDGE LOCATION	CCE	MG	PASS #8	PASS #30	PASS #60	CORRECTION FACTORS	
								1 YEAR	4 YEAR
VULCAN MATERIALS 51972-19	JOLIET	0-36.6M, GRID Y40	94.06	11.60	76.8	38.3	26.3	1.20	1.21
VULCAN MATERIALS 51972-04	LEMONT	0-33.5M - STOCKPILE	91.79	12.79	80.0	37.9	27.5	1.20	1.23
VULCAN MATERIALS 51972-16	PLAINFIELD	0-21.3M	86.07	8.33	96.0	52.7	36.8	1.00	1.08
WINNEBAGO									
NORTHERN ILLINOIS SERVICE 52012-73	ROSCOE 1 MI. S.E.	0-70'	100.81	11.85	80.4	49.6	34.2	0.94	1.01
ROCKFORD SAND AND GRAVEL 50072-01	BELVIDERE 3 MI. S.W.	0-86'	99.75	12.23	87.3	51.4	37.3	0.89	0.97
ROCKFORD SAND AND GRAVEL 52012-63	LOVES PARK 5 MI. W.	0-20'	98.88	11.96	100.0	92.0	61.1	0.60	0.71
ROCKFORD SAND AND GRAVEL 52012-69	LOVES PARK 2 MI. N.E.	0-285'	96.75	11.82	90.5	51.5	38.8	0.90	0.99
ROGERS R-M & MATERIALS 52012-31	ROCKFORD 2 MI. S.W.	0-40'	98.38	12.29	78.0	50.1	35.5	0.95	1.04