

State of Illinois Department of Agriculture

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Illinois Voluntary Limestone Program PRODUCER INFORMATION

AUGUST 2022 Edition

Produced by:

Illinois Department of Agriculture

Illinois Department of Transportation

Illinois Association of Aggregate Producers



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 ÷ 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.

Theoretical CCE is calculated using this formula

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

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Adams											
Central Stone - Loraine	50012-04	2 MILES SOUTH OF LORAIN	LORAIN	COMMON STOCKPILE	3.04	80.90	88.50	57.50	40.90	1.02	1.14
Central Stone - Millcreek	50012-06	5 MILES EAST OF QUINCY	QUINCY	COMMON STOCKPILE	2.08	94.08	90.10	62.50	46.50	0.81	0.94
Carroll											
Eagle Creek Quarries - Sword	50152-53	3367 EAGLE RD	MILLEDGEVILLE	LEDGE 006, +2.7-11.0M	12.39	96.95	75.80	53.60	38.40	0.93	1.04
Fischer Excavating Inc - Sturtz	50152-93	15124 ROUTE 73	LANARK	LEDGE 005, +1.0-17.6M EAST FACE	9.43	84.41	73.70	46.20	33.30	1.18	1.28
Savanna Quarry Inc - Lawrence (Ritchie)	50152-92	9859 SCENIC BLUFF RD	SAVANNA	LEDGE 007, 0.0-31-1M	12.14	99.96	66.90	39.50	26.50	1.16	1.19
Wendling Quarries Inc - Turnbaugh	50152-74	10212 QUARRY RD	MT. CARROLL	LEDGE 004, 18.0-31.7M	11.41	102.75	66.30	41.30	29.50	1.07	1.14
Christian											
Pana Limestone Quarry	50212-04	325 NORTH 1600 EAST	PANA	OLD PLANT/COMBINE D LEDGES	0.28	93.33	85.40	47.70	28.40	1.07	1.08
Pana Limestone Quarry	50212-04	325 NORTH 1600 EAST	PANA	NEW PLANT/COMBINE D LEDGES	0.45	92.75	79.10	41.00	23.90	1.22	1.19
Clark											
Casey Stone	50232-06	7600 NORTH STATE HIGHWAY 49	CASEY	FULL FACE	0.64	89.61	73.40	31.00	16.60	1.54	1.39
Mid-Illinois Quarry	50232-02	9129 NORTH 230TH STREET	CASEY	ALL LEDGES COMBINED	0.69	89.94	95.10	46.90	25.90	1.11	1.08
Quality Lime Company	50232-05	14915 NORTH QUALITY LIME ROAD	MARSHALL	ALL LEDGES COMBINED	1.30	92.25	81.00	32.10	18.00	1.40	1.28
Coles											
Charleston Stone Company	20292-02	9709 N CO RD 2000 E	ASHMORE	COURSE LIME-ALL LEDGES COMBINED	0.53	88.14	88.70	50.10	31.40	1.07	1.11

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Cook											
Hanson Material Service - Federal	50312-02	9101 W 47TH ST	MCCOOK	LEVEL 1 & 1A MAIN PLANT	12.73	102.51	81.60	45.70	29.40	0.99	1.02
Hanson Material Service - Thornton	50312-04	32 S WILLIAMS ST	THORTON	150.0-420.0M LEDGE 2-4 MAIN FINE	13.04	103.49	82.00	47.20	30.20	0.96	0.99
Hanson Material Service - Thornton	50312-04	322 S WILLIAMS ST	THORTON	150.0-420.0M LEDGE 2-4 MAIN COARSE	11.43	93.46	62.80	33.20	21.40	1.41	1.39
Vulcan Materials McCook Quarry	50312-78	5500 JOLIET RD	MCOOK	MWRD LEVEL 3 & 4A	11.67	93.70	71.60	36.60	23.60	1.28	1.27
DeKalb											
Vulcan Materials - Sycamore Quarry	50372-01	12502 LLOYD ROAD	SYCAMORE	COMBINED LEVELS 1 AND 2	13.21	105.78	80.10	46.30	31.30	0.94	0.99
Douglas											
Tuscola Stone Co	50412-01	1199 E US 36	TUSCOLA	VARIOUS LEDGES	7.86	89.13	72.60	42.00	30.70	1.19	1.26
Greene											
Twin Rivers Stone- Godfrey	50612-02	74 WEST KANE ROAD	KANE	VARIOUS	2.12	93.14	80.40	49.00	33.40	1.03	1.10
V.H. Callender	51712-01	24 HILLSVIEW ROAD	WINCHESTER	0.0M-26.2M LEDGE 1	1.54	92.40	83.50	53.00	35.20	0.98	1.06
Grundy											
Lafarge North America- Aux Sable Quarry	50632-01	MORRIS, IL	MORRIS	0-38.1M	4.14	94.90	73.40	45.60	31.40	1.08	1.15
Hancock											
Central Stone - Carthage	50672-01	5 MILES EAST OF CARTHAGE	CARTHAGE	COMMON STOCKPILE	1.58	87.60	90.10	56.90	38.70	0.96	1.05
Gray Quarries	50672-03	PO BOX 386	HAMILTON	COMMON STOCKPILE	2.04	99.61	76.60	46.60	34.10	0.98	1.07
Gray Quarries	50672-03	PO BOX 386	HAMILTON	30.5-35.1M LDG #3	1.92	93.90	96.80	68.10	43.80	0.80	0.88
Gray Quarries	50672-03	PO BOX 386	HAMILTON	48.8-54.9M LDG 5	0.58	93.30	99.10	70.40	46.70	0.77	0.87
Gray Quarries	50672-03	PO BOX 386	HAMILTON	63.4-75.6MLDG7	2.00	98.05	98.20	66.00	47.30	0.75	0.85

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Hancock contoured											
Gray Quarries	50672-03	PO BOX 386	HAMILTON	18.3-30.5M LDG 2	1.49	71.73	97.90	63.50	41.10	1.09	1.19
Gray Quarries	50672-03	PO BOX 386	HAMILTON	35.1-48.8M LDG 4	1.50	66.83	99.00	67.00	45.70	1.10	1.24
R.L. O'Neal & Sons Inc.	50672-04	819 N COUNTY ROAD	PLYMOUTH	COMMON STOCKPILE	2.75	91.61	84.50	52.20	32.70	1.02	1.07
R.L. O'Neal & Sons Inc.	50672-04	819 N COUNTY ROAD 3050	PLYMOUTH	44.8M-52.4M LEDGE 4	1.80	93.23	83.70	57.80	41.80	0.89	1.01
R.L. O'Neal & Sons Inc.	50672-04	819 N COUNTY ROAD 3050	PLYMOUTH	0.0-12-2M LEDGE 1	1.15	83.04	79.30	44.60	29.20	1.24	1.28
Hardin											
Hastie Mining	50692-04	RR 1 BOX 55	CAVE-IN-ROCK	VARIOUS LEDGES	1.39	91.78	79.30	41.90	23.10	1.23	1.19
Lafarge Holcim - Rosiclare	50692-09	RR 1 BOX 128	GOLCONDA	VARIOUS LEDGES	1.35	94.31	91.40	47.70	26.90	1.06	1.04
Henry											
RiverStone Group Inc - Cleveland Quarry	50732-12	1069 NORTH BROADWAY	COLONA	VARIOUS LEDGES	12.23	103.99	84.80	33.50	11.90	1.32	1.10
Iroquois											
Prairie Materials	50752-01	2744 N 200 EAST RD	ASHKUM	A/B COMBINED PILE	3.04	93.20	84.60	39.70	20.40	1.25	1.16
Jackson											
Kinkaid Stone Co	50772-02	4287 KINKAID STONE ROAD	AVA	VARIOUS LEDGES	1.55	83.66	97.80	61.80	43.70	0.92	1.03
Kinkaid Stone Co	50772-02	4287 KINKAID STONE ROAD	AVA	VARIOUS LEDGES	1.76	84.08	92.70	49.40	28.90	1.14	1.15
Jersey											
Calhoun Quarry Inc - East	50832-03	25840 ELDRED ROAD	FIELDON	VARIOUS LEDGES	1.98	96.55	99.30	63.30	40.10	0.81	0.88
JoDaviess											
Conmat Inc - Eustice	50852-61	1307 W LONGHOLLOW RD	ELIZABETH	LEDGE 018, 2.5- 23.5M	11.69	102.44	85.90	53.30	36.10	0.87	0.94

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JoDaviess continued											
Conmat Inc - Youngbluth	50852-67	10216 CHELSEA RD	STOCKTON	LEDGE 001, 0.0-15.2M EAST FACE	12.14	102.50	83.20	51.70	36.90	0.88	0.96
Conmat Inc - Virtue	50852-06	1450 N FERRY LANDING RD	GALENA	LEDGE 002, 18.3-30.5M WEST FACE	4.79	94.35	76.20	45.80	32.30	1.06	1.13
Fischer Excavating Inc - Ehler	50852-93	8022 STAGECOACH TRAIL	GALENA	LEDGE 002, +6.1-15.2M	12.54	100.23	83.30	72.40	59.20	0.67	0.84
Louie's Aggregate Co - Hahn, Galena	50852-90	4297 W GUILFORD RD	GALENA	LEDGE 004, 0.0-26-2M	12.59	100.04	81.10	46.50	33.10	0.97	1.04
Johnson											
Southern Illinois Stone Co	50872-03	4800 STATE ROUTE 37 N	BUNCOMBE	TOP LEDGE	0.74	85.35	73.70	38.00	22.00	1.41	1.36
Kankakee											
Prairie Materials	5092-06	8215 US RT 45	MANTENO	A/NEW B LEDGE 0.0-39.3M	11.57	94.88	79.10	34.70	19.70	1.32	1.23
Vulcan Lehigh - Ag Lime barn 1 & 2 east side	50912-02	1277 S. 7000 ROAD	KANKAKEE	LEDGE 1 NEXT TO AG LIME BARN EAST SIDE-FINE PILE 0.0-39M	11.17	94.00	80.30	47.00	33.40	1.03	1.11
Vulcan Lehigh - across the street from scale house	50912-02	1277 S 7000 ROAD	KANKAKEE	LEDGE 1 ACROSS THE STREET FROM SCALE HOUSE (WEST SIDE) BY LARGE PILE-COURSE PILE 0.0-39M	11.51	96.58	77.20	43.70	30.80	1.06	1.12
Kendall											
Central Limestone	50932-01	16805 QUARRY ROAD	MORRIS	0-130 (0-39.6M) VARIOUS LOCATIONS	12.84	103.54	87.00	53.40	34.40	0.87	0.93
Lafarge North America - Kendall	50932-03	10501 JOLIET ROAD	NEWARK	VARIOUS	12.51	103.18	90.90	53.40	34.10	0.87	0.91

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LaSalle											
Lafarge - Utica	50992-02	.5 MILES SOUTH OF UTICA	UTICA	(11.0-27.4M) VARIOUS LEDGES	7.97	67.55	72.50	45.80	33.00	1.49	1.61
RiverStone Group Inc - Vermillion	50992-04	2273 NORTH ILLINOIS 178	OGELSBY	VARIOUS LEDGES	5.52	96.09	60.50	33.90	23.90	1.33	1.36
RiverStone Group Inc - Troy Grove	50992-01	539 RT. 52	UTICA	VARIOUS LEDGES	11.10	92.54	87.70	55.00	40.80	0.91	1.02
RiverStone Group Inc - Troy Grove	50992-01	539 RT 52	UTICA	VARIOUS LEDGES	11.72	99.75	67.90	32.40	18.00	1.37	1.27
RiverStone Group Inc - Vermillion	50992-04	2273 NORTH ILLINOIS 178	OGLESBY	VARIOUS LEDGES	2.57	92.70	92.50	57.70	30.10	0.98	0.98
Lee											
Civil Materials - Palmyra	51032-73	217 PALMYRA RD	DIXON	006	8.78	106.65	98.80	98.30	96.60	0.45	0.64
Civil Materials - Palmyra	51032-73	217 PALMYRA RD	DIXON	006	9.27	102.16	82.70	39.80	25.20	1.08	1.07
Renner Quarries - Dixon	51032-76	870 RENNER RD	DIXON	008	12.71	108.73	82.10	45.40	27.90	1.93	1.95
Renner Quarries	51032-04	902 ROBBINS RD	ANBOY	LEDGE 004	12.14	100.64	45.80	20.70	12.80	1.88	1.67
Livingston											
Valley View Industries - McDowell Quarry	51052-19	MCDOWELL, IL	MCDOWELL	4.0 M FACE	0.99	93.40	94.00	64.90	42.30	0.83	0.92
Valley View Industries - McDowell Quarry	51052-09	MCDOWELL, IL	MCDOWELL	4.0 M FACE	1.02	93.08	85.90	47.40	29.30	1.07	1.08
Valley View Industries - Rowe Quarry	51052-20	NA	PONTIAC	4.0M FACE	0.82	91.99	97.00	77.10	55.70	0.71	0.85
VCNA Prairie Materials - Yard 88	51052-09	OCOYA, IL	OCOYA	6.7 M FACE	0.87	86.25	95.80	45.60	23.20	1.20	1.14
Madison											
New Frontier Materials - Hi- Cal Pelleted Lime	51192-04	4007 COLLEGE AVE	ALTON	LEDGE 1&2	2.02	88.45	100.00	90.50	68.10	0.65	0.81
New Frontier Materials - Alton	51192-02	4007 COLLEGE AVE	ALTON	LEDGE 1 & 2	12.96	86.51	73.20	37.10	23.90	1.37	1.36
Twin Rivers Stone - Godfrey	51192-01	9434 GODFREY ROAD	GODFREY	VARIOUS	10.24	99.14	77.70	46.10	33.50	0.99	1.07
McDonough											
Central Stone - Tennessee CS#53	51092-03	5533 E 400 STREET	COLCHESTER	L1 & L2	2.26	79.34	77.20	47.90	32.20	1.24	1.32
Central Stone - Tennessee CS#53	51092-03	5533 E 400 STREET	COLCHESTER	L1 &L2	1.59	80.89	75.90	47.30	31.30	1.24	1.31

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Monroe											
Columbia Quarry #7	51632-09	5440 QUARRY RD	WATERLOO	24.4M LEDGE 1-3	3.84	93.18	84.20	46.90	29.60	1.07	1.10
Montgomery											
Hanson Material Service - Nokomis	51352-01	22283 TAYLORVILLE ROAD	NOKOMIS	COMBINED LEDGES	0.36	99.43	96.30	51.70	30.40	0.93	0.94
Hanson Material Service - Athens	51292-02	25142 QUARRY AVENUE	ATHENS	COMBINED LEDGES	0.53	94.59	74.50	35.50	22.10	1.29	1.25
Nokomis Quarry	51352-03	23311 TAYLORVILLE ROAD	NOKOMIS	COMBINED LEDGES/COURSE AG LIME	0.26	93.83	80.80	40.80	23.10	1.21	1.17
Nokomis Quarry	51352-03	23311 TAYLORVILLE ROAD @ NOKOMIS	NOKOMIS	COMBINED LEDGES/FINE GRIND AG LIME	0.43	95.94	98.70	48.10	26.90	1.01	0.99
Ogle											
Eagle Creek Quarries - Galena Trail	51417-18	2010 S GALENA TRAIL	POLO	LEDGE 003	12.08	97.56	84.40	71.10	49.30	0.75	0.87
Macklin Inc	51412-68	6089 S DEMENT RD	ROCHELLE	LEDGE 007	11.61	97.99	76.10	40.30	27.20	1.12	1.15
Rogers R-M & Materials	51412-32	8503 N BARKER RD	BYRON	LEDGE 006	11.55	95.06	74.90	33.30	18.20	1.38	1.27
Steve Benesh and Sons Quarry	51412-72	3923 N RIVER RD	OREGAN	LEDGE 004	10.45	89.61	85.50	62.20	51.90	0.83	1.01
Wagner Aggregates	51412-92	20855 E IL RT 72	FAIRDALE	LEDGE 12-14	12.72	103.68	68.90	33.00	20.60	1.26	1.21
Pike											
Central Stone	51492-04	26176 487TH STREET	PITTSFIELD	LEDGE 5	1.66	91.69	86.30	55.20	36.60	0.96	1.03
Central Stone - Kinderhook	51492-05	1 MILE EAST OF KINDERHOOK	KINDERHOOK	COMMON STOCKPILE	0.48	93.76	98.30	64.90	41.70	0.82	0.90
Central Stone	51492-04	26176 487TH ST	PITTSFIELD	LEDGE 2	0.97	81.85	81.50	50.10	32.80	1.16	1.23
Central Stone - Fessler	51492-41	2 MILES WEST OF BARRY	BARRY	COMMON STOCKPILE	0.54	88.19	94.60	62.30	41.00	0.90	0.99
V.H. Callender - New Hartford Quarry	51492-01	31099 DUTCH CREEK ROAD	ROCKPORT	LEDGE 1	0.85	95.50	86.60	56.30	37.00	0.91	0.98
V.H. Callender - Valley City Quarry	51492-02	310810 QUARRY ROAD	GRIGSVILLE	LEDGE 3	1.74	92.43	84.30	54.90	38.20	0.94	1.04
V.H. Callender - Perry/Junction Quarry	51492-42	37742 412 STREET	CHAMBERSBURG	LEDGE 1-4	1.12	84.68	87.90	56.10	36.70	1.03	1.10

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Randolph											
Mississippi Lime	51572-04	7899 BLUFF RD	PRAIRIE DU ROCHER	8.5 LEDGE 1	0.48	98.68	75.70	41.90	23.90	1.15	1.13
Rock Island											
Mill Creek Mining - Colingson Pit	51612-16	5600 KNOXVILLE ROAD	MILAN	VARIOUS LEDGES	12.08	101.18	49.70	21.40	13.90	1.77	1.60
RiverStone Group Inc - Midway Quarry	51612-23	2721 248TH STREETH NORTH	HILLSDALE	VARIOUS LEDGES	11.74	95.89	89.10	52.30	30.40	0.98	1.00
RiverStone Group Inc - Allied Stone	51612-31	601 US RT 67 NORTH	MILAN	VARIOUS LEDGES	3.85	79.99	73.50	43.60	30.80	1.30	1.38
RiverStone Group Inc - Allied Stone	51612-31	601 US RT 67 NORTH	MILAN	VARIOUS LEDGES (DOLOMITE)	12.01	100.48	82.10	36.00	16.50	1.27	1.13
Shelby											
Brush Creek Quarry	51732-01	2371 COUNTY HIGHWAY 6	MODE	VARIOUS LEDGES	0.87	33.90	48.40	26.00	18.30	4.68	4.54
St. Clair											
Columbia Quarry #9	51632-09	100 INDUSTRIAL DR	DUPO	9.9M, LEDGE 1-5	1.51	93.13	85.00	46.50	29.40	1.07	1.10
Falling Springs Quarry	51632-03	2401 STOLLE RD	DUPO	1B	3.34	93.99	69.70	37.80	25.00	1.25	1.27
Stephenson											
Conmat Inc - Dwyer	51772-28	1708 S HOLLYWOOD RD	FREEPORT	(ULTRA FINE) LEDGE 007, 30.5- 44.2M	12.13	98.94	99.80	99.40	97.10	0.48	0.68
Conmat Inc - Rock City	51772-01	8585 RT 75 EAST	ROCK CITY	LEDGE 001 0.0- 13.8M	12.51	100.70	80.70	48.50	35.80	0.93	1.02
Conmat Inc - Dwyer	51772-28	1708 S HOLLYWOOD RD	FREEPORT	LEDGE 009, 4.6- 30.5M	12.73	103.10	70.50	45.70	31.20	1.00	1.07
Doc's Excavating Inc - Tessendorf	51772-04	6285 IL RT. 73 NORTH	LENA	LEDGE 004, 21.9- 28.7M	8.88	97.95	74.50	46.80	31.60	1.03	1.09
Doc's Excavating Inc - Tessendorf	51772-04	6285 IL RT 73 NORTH	LENA	LEDGE 007, 3.0- 15.2M WEST FACE	6.66	101.38	78.80	51.40	36.20	0.91	1.00
Fischer Excavating Inc - Ivey	51772-68	7994 IL RT 73 NORTH	LENA	LEDGE 001, 0.0- 15.2M	12.75	101.69	79.60	49.40	34.90	0.93	1.00
Fischer Excavating Inc - Winnesheik	51772-51	1570 EAST WINNESHEIK RD	FREEPORT	LEDGE 002, 9.1- 18.3M	12.00	101.33	82.00	50.50	34.40	0.92	0.99

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Union											
Anna Quarry Inc	51812-02	1000 QUARRY ROAD	ANNA	MULTIPLE LEDGES	0.98	87.34	87.70	56.30	28.40	1.08	1.07
Shawnee Stone - Jonesboro	51812-03	1275 JONESBORO QUARRY ROAD	ANAA	LEVEL 8	0.26	87.59	95.50	71.30	47.40	0.82	0.93
Vermillion											
Hanson Material Service - Fairmount Quarry	51832-01	3706 CATLIN-HOMER ROAD FAIRMOUNT	FAIRMOUNT	SOUTHCUT- 20 FOOT LEDGE	0.35	95.13	98.30	62.20	37.00	0.86	0.90
Warren											
Mill Creek Mining - Monmouth Quarry	51872-02	2351 6TH STREET	MONMOUTH	60-70' LEDGE	3.90	93.34	85.90	60.90	42.90	0.86	0.97
Mill Creek Mining - Monmouth Quarry	51872-02	2351 6TH STREET	MONMOUTH	60-70' LEDGE	1.88	95.61	85.80	60.90	27.40	0.97	0.95
RiverStone Group Inc - Valley Quarry	51872-01	772 175TH ST	ST. AUGUSTINE	60-70' LEDGE	3.40	91.60	86.30	61.60	43.10	0.87	0.99
RiverStone Group Inc - Valley Quarry	51872-01	772 175TH STREET	ST. AUGUSTINE	60-70' LEDGE	2.00	91.93	82.90	57.30	41.50	0.91	1.03
Whiteside											
Alliance Materials - Kays Corner	51952-86	25100 ROCKFALLS RD	STERLING	LEDGE 006 FROM SIERS	12.41	102.85	84.90	44.90	26.80	1.01	1.01
Alliance Materials - Siers	51952-93	28601 PILGRIM RD	STERLING	006	10.45	101.68	56.90	30.70	19.90	1.39	1.36
Wendling Quarries Inc - Garden Plain Quarry	51952-64	GARDEN PLAIN ROAD	GARDEN PLAIN	FULL FACE VARIOUS LEDGES	12.02	101.88	67.70	43.10	34.30	1.01	1.12
Will											
Lafarge Holcim	51972-15	2509 MOUND RD	ROCKDALE	ALL LEDGES	11.98	103.89	80.20	53.60	38.80	0.85	0.95
Vulcan Materials - Barbers Corner	51972-10	371 ROYCE RD	BOLINGBROOK	37.24-4M NORTHSIDE	11.68	95.41	73.60	38.60	25.80	1.20	1.21
Vulcan Materials	51972-19	595 W LARAWAY RD	LARAWAY	ALL LEDGES	11.94	97.18	75.40	39.70	24.70	1.18	1.17
Winnebago											
Kelsey Materials	52012-34	17830 PIEPER RD	DAVIS	005	7.33	95.99	85.40	45.30	30.20	1.04	1.07
Northern Illinois Service @ Bedrock	52012-73	6799 SWANSON RD	ROSCOE	013	12.21	101.85	74.10	46.40	29.10	1.02	1.06
Northern Illinois Service @ Blacks	52012-80	11200 N MAIN RD	ROCKTON	002	8.19	101.23	80.90	50.30	32.30	0.95	1.00
N-Trak	52012-02	11184 N MAIN	ROCKTON	004 SHORT FACE	12.10	98.79	82.90	48.80	34.30	0.95	1.02

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Iowa											
RiverStone Group Inc - McCausland Quarry	52202-16	18965 300TH STREET	LONG GROVE	VARIOUS LEDGES	12.14	104.70	80.80	43.20	28.50	1.00	1.02
RiverStone Group Inc - LeClaire Quarry	52202-10	400 TERRITORIAL ROAD	LECLAIRE	VARIOUS LEDGES HI-G	12.34	103.99	99.90	99.70	93.20	0.46	0.65
RiverStone Group Inc - LeClaire Quarry	52202-10	400 TERRITORIAL ROAD	LECLAIRE	VARIOUS LEDGES	11.30	99.73	62.10	34.90	25.50	1.24	1.28
Wendling Quarries Inc @ Shafton	52202-06	2911 HWY67	CAMANCHE	VARIOUS LEDGES	11.78	101.75	72.60	36.80	23.30	1.18	1.16
Indiana											
Bloomington Crushed Stone	52102-07	110 NORTH OARD ROAD	BLOOMINGTON	VARIOUS LEDGES	0.51	97.34	99.70	76.10	31.80	0.81	0.80
CalCar Quarries, Inc	52102-10	860 EAST US HWY 150	PAOLI	LEDGES 1-16	2.12	97.44	94.20	57.40	33.10	0.90	0.93
Cave Quarries Inc	77000-97	1156 NORTH 425 W	PAOLI	LEDGES 4-10	1.28	94.65	96.30	44.20	24.40	1.09	1.05
Lincoln Park Stone - Putnamville Quarry	52102-30	995 W US40	PUTNAMVILLE	LEDGES 1-6 58' FACE WEST PIT, SOUTH FACE, LEDGES 101-402	0.28	92.21	68.30	34.40	21.00	1.39	1.35
Martin Marietta Aggregates - Cloverdale Quarry	52102-33	2010 EAST COUNTY ROAD 800 SOUTH	CLOVERDALE		2.48	91.59	86.40	44.40	27.70	1.12	1.13
Mulzer Crushed Stone - Temple Quarry	52102-11	2785 EAST TEMPLE ROAD	ENGLISH	VARIOUS LEDGES	1.94	87.53	87.40	43.10	25.70	1.21	1.19
Mulzer Crushed Stone - Tower Quarry	52102-14	7172 SPUH TOWER ROAD	LEAVENWORTH	VARIOUS LEDGES	3.34	96.18	95.70	60.40	38.00	0.85	0.91
Mulzer Crushed Stone - Cape Sandy	52102-18	19925 ALTON FREDONIA ROAD	LEAVENWORTH	VARIOUS LEDGES	2.51	96.08	98.20	58.00	35.60	0.88	0.92
Mulzer Crushed Stone - Evansville Materials	52100-49	900 NW RIVERSIDE DRIVE	EVANSVILLE	VARIOUS LEDGES	11.34	97.85	82.40	47.40	31.30	1.00	1.05
Newton County Stone Company (Rogers Group Inc)	52102-01	235 E US 24	KENTLAND	FINE GRIND(PIT 8 LEDGES 1-2)	12.46	103.33	87.90	36.90	21.20	1.13	1.06
Newton County Stone Company (Rogers Group Inc)	52101-01	235 E US 24	KENTLAND	COARSE GRIND (PIT LEDGES 1-2)	12.00	102.30	77.40	36.10	8.80	1.42	1.14

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Indiana continued											
Rogers Group-Mitchell Crushed Stone	52102-04	3020 SR60 WEST	MITCHELL	LEDGES 3-7	0.68	94.54	81.20	51.50	32.60	1.00	1.05
The Andersons	52102-37	101 AGRICO LANE	SEYMOUR	HIGH MAGNESIUM PELLETIZED LIME	4.05	91.75	100.00	98.70	88.60	0.54	0.74
The Andersons	52102-37	101 AGRICO LANE	SEYMOUR	HIGH CALCIUM PELLETIZED LIME	1.58	89.76	97.90	94.40	82.60	0.58	0.78
Missouri											
Bussen Quarries Inc - Antire Quarry	52302-65	6800 BUSSEN ANTIRE RD	EUREKA	LEDGES 5-27, 250'	0.92	92.19	100.00	100.00	95.50	0.51	0.73
Bussen Quarries Inc - Antire Quarry	52302-65	6800 BUSSEN ANTIRE RD	EUREKA	LEDGES 5-27, 250'	4.29	92.10	97.90	68.90	46.40	0.79	0.89
Bussen Quarries Inc - Koch	52302-07	5000 BUSSEN - KOCH	KOCH	LEDGES 5-21, 150'	1.33	92.38	91.80	50.00	29.80	1.03	1.04
Central Stone	52302-53	14200 LEWIS AND CLARK BLVD	FLORRISANT	LEDGES 3-9	1.58	88.95	100.00	100.00	97.20	0.53	0.76
Central Stone - Huntington	52302-04	HUNTINGTON	HUNTINGTON	COMMON STOCKPILE	0.24	83.84	98.00	75.30	47.10	0.85	0.95
Central Stone - Taylor	52302-46	SOUTH TAYLOR MO	TAYLOR	COMMON STOCKPILE	0.46	85.31	98.50	67.80	40.50	0.90	0.97
Heartland Materials	77000-99	1965 COUNTY ROAD 601	JACKSON	MULTIPLE	0.87	98.58	99.60	81.70	50.40	0.68	0.76
Holcim - Highway 51	52302-41	521 QUARRY LANE	PERRYVILLE	19.5M LEDGE 2+3	2.06	93.98	86.40	42.80	26.40	1.12	1.11
Mississippi Lime	52302-08	16147 US HIGHWAY 61	STE GENEVIEVE	30.0M UNDERGROUND	0.18	100.00	100.00	93.00	62.40	0.59	0.70
Mississippi Lime	52302-08	16147 US HIGHWAY 61	STE GENEVIEVE	30.0 M UNDERGROUND	0.20	117.44	100.00	91.40	56.90	0.52	0.60
Mississippi Lime	52302-08	16147 US HIGHWAY 61	STE GENEVIEVE	30.0M UNDERGROUND	0.19	99.75	100.00	88.90	29.30	0.76	0.72

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Missouri continued											
Mississippi Lime	52302-08	16147 US HIGHWAY 61	STE GENEVIEVE	30.0M UNDERGROUND	0.31	100.00	100.00	100.00	43.80	0.64	0.68
Mississippi Lime	52302-08	16147 US HIGHWAY 61	STE GENEVIEVE	30.0M UNDERGROUND	0.11	99.29	100.00	100.00	99.40	0.47	0.68
Mississippi Lime	52302-08	16147 US HIGHWAY 61	STE GENEVIEVE	30.0M UNDERGROUND	0.13	97.01	100.00	91.60	30.50	0.76	0.73
Simpson Materials - Barnhart Quarry	52302-51	850 SULFER SPRINGS RD	IMPERIAL	LEDGE 1-5	0.56	94.01	98.90	67.00	41.20	0.81	0.88
Tower Rock Stone	52302-39	19829 LOWER FRENCH ROAD	GENEVIEVE	VARIOUS LEDGES COMMON	1.26	95.91	96.00	65.30	39.40	0.82	0.88
W.B. SMITH	52302-28	PO BOX 474	LOUISIANA	STOCKPILE	0.39	92.54	97.50	68.40	48.80	0.80	0.92