

State of Illinois

Department of Agriculture

Raymond Poe, Director



Illinois Voluntary Limestone Program **PRODUCER INFORMATION**

AUGUST 2017 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 |
|------------------------------------|------|------|------|

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.

$$.141 \times \mathbf{5} = .70$$

$$.507 \times \mathbf{20} = 10.14$$

$$.138 \times \mathbf{50} = 6.90$$

$$.214 \times \mathbf{100} = 21.4$$

39.14 = Total Fineness Efficiency Value

Step 5

(TFEV) $39.14 \times (\text{CCE}) .9363 = 36.65$ (product)

Step 6 One Year application Rate

Always divide the product of step 5 into 46.35.

$$46.35 \div 36.65 = 1.26$$

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

$$\text{CCE}_t = \% \text{Ca} (2.4973) + [1.1817 (\% \text{Mg} \times 3.4676)]$$

2017 LIMESTONE PROGRAM PRODUCER INFORMATION
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| Producer By County | IDOT Producer Number | Address Where Stockpile is Located | City of Stockpile | Ledge Footage & Location | % Mg | CCE | % Pass #8 | % Pass #30 | % Pass #60 | 1 yr correction factor | 4 yr correction factor |
|---------------------------------|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Adams | | | | | | | | | | | |
| Central Stone-Lorraine | 50012-04 | 2489 East 1600th Street | Lorraine | Common Stockpile | 2.53 | 78.71 | 85.4 | 50.5 | 38.0 | 1.13 | 1.25 |
| Central Stone-Marblehead | 50012-33 | 743 East 753rd Lane | Quincy | Common Stockpile | 0.90 | 95.78 | 87.4 | 53.2 | 37.2 | 0.92 | 1.00 |
| Central Stone-Millcreek | 50012-06 | 8514 Rock Quarry Road | Quincy | Common Stockpile | 1.81 | 93.60 | 79.3 | 53.4 | 42.3 | 0.92 | 1.06 |
| Boone | | | | | | | | | | | |
| Beverly Materials | 50072-16 | 4151 Irene Road | Belvidere | 007 (Sump) | 11.75 | 100.46 | 88.6 | 47.6 | 32.4 | 0.95 | 0.99 |
| Beverly Materials | 50072-16 | 4151 Irene Road | Belvidere | 001-006 conglomerate | 8.68 | 99.43 | 73.4 | 37.1 | 26.7 | 1.15 | 1.18 |
| Consolidated Materials Inc | 50072-02 | 1473 Flora Church Road | Kirkland | Ledge 005 (0m-26.8m) | 11.73 | 99.14 | 79.6 | 40.9 | 28.2 | 1.08 | 1.11 |
| William Charles-Irene | 50072-01 | 4545 Irene Road | Belvidere | Ledge 003 (12.2-26.5) | 11.81 | 100.17 | 93.3 | 50.9 | 35.9 | 0.89 | 0.95 |
| Carroll | | | | | | | | | | | |
| Civil Materials Inc-Lodberg | 50152-78 | 15110 Route 73 | Lanark | Ledge 003,0.0-16.8m West Face | 10.41 | 96.22 | 79.5 | 44.4 | 35.4 | 1.00 | 1.11 |
| Eagle Creek Quarries-Sword | 50152-53 | 3367 Eagle Road | Milledgeville | Ledge 007 +8.8-+2.7m | 9.07 | 98.49 | 76.8 | 54.1 | 42.0 | 0.88 | 1.01 |
| Fischer Excavating Inc-Deerer | 50152-16 | 15653 Benton Street | Mt.Carroll | Ledge 004,7.7-15.2m | 11.55 | 98.65 | 79.8 | 43.4 | 29.9 | 1.05 | 1.09 |
| Fischer Excavating Inc-Sturtz | 50152-93 | 15124 Route 73 | Lanark | Ledge 5,+1.0-17.6m East Face | 10.48 | 86.19 | 78.8 | 41.5 | 30.9 | 1.20 | 1.27 |
| Wendling Quarries Inc-Turnbaugh | 50152-74 | 10212 Quarry Road | Mt.Carroll | Ledge 004 18.0-31.7m | 9.30 | 101.34 | 74.3 | 38.7 | 26.3 | 1.12 | 1.14 |

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|---|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Christian | | | | | | | | | | | |
| Pana Limestone | 50212-04 | 325 North 1600 East | Pana | Combined Ledges | 0.40 | 90.57 | 80.9 | 29.6 | 18.2 | 1.46 | 1.34 |
| Clark | | | | | | | | | | | |
| Casey Stone | 50232-06 | 7600 North State Hwy 49 | Casey | Full Face | 0.36 | 88.27 | 80.6 | 34.6 | 21.7 | 1.37 | 1.31 |
| Mid-Illinois Quarry | 50232-02 | 9129 North 230th Street | Casey | Full Face West Pit | 0.30 | 89.31 | 97.0 | 42.4 | 25.6 | 1.15 | 1.12 |
| Quality Lime Company | 50232-05 | 14915 N Quality Lime Road | Marshall | All Ledges Combined | 1.16 | 82.30 | 97.4 | 50.3 | 32.6 | 1.10 | 1.14 |
| Coles | | | | | | | | | | | |
| Charleston Stone Company-Charleston Crushed Stone | 50292-02 | 9709 N Co Rd 2000 East | Ashmore | Fine All Ledges Combined | 0.24 | 89.20 | 96.5 | 67.6 | 45.5 | 0.83 | 0.93 |
| Charleston Stone Company | 50292-02 | 9709 N Co Rd 2000 East | Ashmore | Coarse All Ledges Combined | 0.37 | 86.29 | 85.9 | 49.8 | 37.9 | 1.04 | 1.15 |
| Cook | | | | | | | | | | | |
| Hanson Material Service-Thornton Quarry | 50312-04 | 322 South Williams | Thornton | All Ledges FM-21 | 7.66 | 97.56 | 81.2 | 42.5 | 30.3 | 1.05 | 1.10 |
| Hanson Material Service-Thornton Quarry | 50312-04 | 322 South Williams | Thornton | All Ledges Ag-Lime | 8.85 | 95.58 | 90.1 | 43.9 | 31.7 | 1.02 | 1.07 |
| Hanson Material Service-West Part of Quarry | 50312-02 | 9101 W 47th Street | McCook | Various Ledges | 10.54 | 87.72 | 78.9 | 39.3 | 28.0 | 1.24 | 1.28 |
| Vulcan Materials-Main Plant | 50312-78 | 5500 Joliet Road | McCook | MWRD Various Locations | 8.55 | 95.39 | 75.1 | 40.3 | 28.4 | 1.14 | 1.19 |
| Dekalb | | | | | | | | | | | |
| Vulcan Materials-Dekalb | 50372-02 | 15622 Barber Green Road | Sycamore | Various Locations | 11.98 | 99.45 | 78.7 | 44.9 | 33.9 | 0.99 | 1.07 |

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|---|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Dekalb (cont.) | | | | | | | | | | | |
| Vulcan Materials- Sycamore | 50372-01 | 12502 Lloyd Road | Sycamore | Various Locations | 12.30 | 102.11 | 83.4 | 48.0 | 35.8 | 0.91 | 1.00 |
| Douglas | | | | | | | | | | | |
| Tuscola Stone Quarry | 50412-01 | 1199 East US 36 | Tuscola | Mixed Ledges | 7.68 | 93.99 | 79.9 | 45.1 | 31.3 | 1.07 | 1.13 |
| Greene | | | | | | | | | | | |
| Kimaterials Inc-Kane Quarry | 50612-02 | RR 1 Old Kane Road | Kane | Various | 3.24 | 90.21 | 77.0 | 43.0 | 30.7 | 1.15 | 1.21 |
| V.H. Callender- Thomas/Glasgow Quarry | 51712-01 | 24 Hillview Road | Winchester | Ledge 1 | 0.97 | 93.14 | 83.9 | 48.6 | 33.9 | 1.01 | 1.08 |
| Grundy | | | | | | | | | | | |
| LafargeHolcim-AuxSable Quarry | 50632-01 | 2998 County Road 7000 North | Morris | '0-75' Ledge | 1.37 | 91.30 | 82.2 | 49.1 | 33.8 | 1.04 | 1.11 |
| Hancock | | | | | | | | | | | |
| Gray Quarries | 50672-03 | 700-798 S 2nd Street | Hamilton | 63.4m-75.6m ledge #7 | 2.03 | 94.76 | 98.7 | 74.0 | 59.0 | 0.68 | 0.83 |
| Gray Quarries | 50672-03 | 700-798 S 2nd Street | Hamilton | 48.8m-54.9m ledge #5 | 0.55 | 93.57 | 99.0 | 62.6 | 41.9 | 0.83 | 0.91 |
| Gray Quarries | 50672-03 | 700-798 S 2nd Street | Hamilton | Common Stockpile | 1.90 | 89.20 | 78.6 | 42.2 | 32.9 | 1.13 | 1.22 |
| Hardin | | | | | | | | | | | |
| Hastie Mining | 50692-04 | RR 1 Box 55 | Cave in the Rock | Various | 1.34 | 86.24 | 73.4 | 31.4 | 19.8 | 1.52 | 1.44 |
| LafargeHolcim-HC3 | 50692-09 | RR 1 Box 128 | Golconda | Various | 0.85 | 89.65 | 74.7 | 32.4 | 20.0 | 1.44 | 1.36 |
| Henry | | | | | | | | | | | |
| RiverStone Group Inc- Cleveland (MC31) | 50732-12 | 1069 North Broadway Street | Colona | Various Ledges | 10.47 | 103.03 | 92.7 | 39.5 | 27.9 | 1.01 | 1.02 |

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|--|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Iroquois | | | | | | | | | | | |
| Prairie Materials-East of Truck Scale | 50752-01 | 2744 N 200 E RD | Ashkum | Ledge A Regular Grinds | 3.12 | 85.35 | 89.9 | 63.3 | 46.8 | 0.89 | 1.03 |
| Prairie Materials-East of Truck Scale | 50752-01 | 2744 N 200 E RD | Ashkum | Ledge B Regular Grinds | 3.07 | 84.64 | 54.3 | 10.7 | 8.9 | 2.63 | 2.15 |
| Jackson | | | | | | | | | | | |
| Kinkaid Stone Company | 50772-02 | 4287 Kinkaid Stone Road | Ava | 0.0-8.2M Fine | 2.35 | 87.25 | 97.9 | 47.4 | 28.3 | 1.11 | 1.10 |
| Kinkaid Stone Company | 50772-02 | 4287 Kinkaid Stone Road | Ava | 0.0-8.2M Course | 2.16 | 87.90 | 81.4 | 43.9 | 29.1 | 1.17 | 1.21 |
| Jersey | | | | | | | | | | | |
| Calhoun Quarry Inc-East | 50832-03 | 25840 Eldred Road | Fieldon | Various Ledges | 1.30 | 94.22 | 99.7 | 79.0 | 58.4 | 0.68 | 0.81 |
| JoDaviess | | | | | | | | | | | |
| Civil Materials-Virtue | 50852-06 | 1450 N Ferry Landing Road | Galena | Ledge 002,18.3-30.5m West Face | 5.00 | 94.14 | 77.1 | 42.6 | 31.0 | 1.10 | 1.16 |
| Civil Materials-Youngbluth | 50852-67 | 10216 Chelsea Road | Stockton | Ledge 001,0.0-15.2m East face | 12.07 | 102.58 | 79.8 | 43.5 | 31.5 | 0.99 | 1.05 |
| Louie's Aggregate Company-P Mark | 50852-17 | 3414 N Mammoser Road | Stockton | Ledge 001,0.0-10.7m South Face | 10.03 | 96.16 | 76.1 | 40.1 | 29.9 | 1.11 | 1.17 |
| Louie's Aggregate Company-Hahn, Galena | 50852-90 | 4297 W Guilford Road | Galena | Ledge 002,0.0-13.7m | 11.55 | 95.90 | 81.2 | 43.1 | 30.6 | 1.06 | 1.12 |

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|---|-------------------------------------|---|------------------------------|--|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Johnson | | | | | | | | | | | |
| Shawnee Stone-Cypress | 50872-02 | 8395 State Route 37 South | Cypress | Various | 1.48 | 91.57 | 89.3 | 49.1 | 31.8 | 1.03 | 1.07 |
| Southern Illinois Stone Company | 50872-03 | 4800 State Route 37 North | Goreville | Various | 1.18 | 85.79 | 64.2 | 27.3 | 18.7 | 1.68 | 1.60 |
| Kane | | | | | | | | | | | |
| LafargeHolcim-Lafarge Conco | 50892-01 | 105 Conco Street | North Aurora | All Ledges | 4.45 | 96.74 | 99.9 | 79.1 | 54.9 | 0.67 | 0.79 |
| LafargeHolcim-Fox River Quarry | 50892-02 | 1310 S IL RT 31 | South Elgin | Level 1 Breast | 10.97 | 100.54 | 66.6 | 38.7 | 27.7 | 1.14 | 1.19 |
| Kankakee | | | | | | | | | | | |
| Prairie Materials-East side of production plant next to the wash plant | 50912-06 | 8215 US 45 | Manteno | Ledge B/Regular Grinds | 11.37 | 95.01 | 84.8 | 35.0 | 21.6 | 1.25 | 1.19 |
| Prairie Materials-South of Scale House next to the crushed PCC pile | 50912-06 | 8215 US 45 | Manteno | Ledge C/Fine Grinds Blast GPS | 10.83 | 90.71 | 100.0 | 99.8 | 99.0 | 0.51 | 0.74 |
| Vulcan Materials-North of scale house west side of haul ramp | 50912-04 | 6141 Illinois 50 | Manteno | F Ledge/60.0- 75.2M | 11.30 | 91.82 | 73.9 | 36.5 | 26.2 | 1.26 | 1.28 |
| Vulcan Materials- Northeast side of main palnt in a metal roofed lean-to | 50912-02 | 1277 County Highway 28 | Kankakee | Ledge 1 blast GPS- N41*06'32.3" w087*59'25.9" | 11.52 | 94.92 | 72.4 | 38.1 | 29.0 | 1.17 | 1.23 |
| Kendall | | | | | | | | | | | |
| Central Limestone-Lisgon Quarry | 50932-01 | 16805 Quarry Road | Morris | Various | 9.35 | 102.52 | 94.1 | 55.5 | 36.7 | 0.84 | 0.89 |
| LafargeHolcim-LaFarge N.A. Kendall Quarry | 50932-03 | 15194 Illinois Route 47 | Elburn | Various Ledges | 7.09 | 92.82 | 84.5 | 49.7 | 36.2 | 0.99 | 1.07 |

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|--|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Kendall (cont.) | | | | | | | | | | | |
| Vulcan Materials-Lisbon | 50932-02 | 10425 Joliet Road | Lisbon | Various ledges and location | 11.24 | 94.52 | 95.5 | 54.6 | 41.3 | 0.87 | 0.97 |
| LaSalle | | | | | | | | | | | |
| LafargeHolcim-Utica | 50992-02 | North 27th Road | Utica | Various Locations 11.0M-27.4M | 9.18 | 79.78 | 85.8 | 50.8 | 39.3 | 0.84 | 1.52 |
| RiverStone Group- Vermillion (MC47) | 50992-04 | 2273 North Illinois 178 | Oglesby | Various Ledges | 2.63 | 77.95 | 91.6 | 59.3 | 44.7 | 1.01 | 1.15 |
| RiverStone Group- Troy Grove (MC46) | 50992-01 | 539-Route 52 | Utica | Various Ledges Course | 11.13 | 92.03 | 99.1 | 41.9 | 24.2 | 1.13 | 1.08 |
| RiverStone Group-Troy Grove (MC46) | 50992-01 | 539-Route 52 | Utica | Various Ledges Fine | 11.34 | 94.90 | 94.0 | 56.3 | 41.8 | 0.86 | 0.96 |
| Lee | | | | | | | | | | | |
| Civil Materials-Palmyra | 51032-73 | 217 Palmyra Road | Dixon | Various | 10.17 | 100.71 | 84.5 | 58.5 | 46.2 | 0.79 | 0.92 |
| Livingston | | | | | | | | | | | |
| Prairie Materials-Pontiac Yard 88 | 51052-09 | 15494 1200 N | Pontiac | 6.7M Face Ag Lime | 0.70 | 81.25 | 95.2 | 55.3 | 39.2 | 1.03 | 1.12 |
| Valley View Industries- McDowell Quarry | 51052-19 | 18070-18998 East 1100 North Road | McDowell | 4.0 M Face Blended Lime | 0.81 | 90.31 | 95.6 | 53.6 | 35.9 | 0.96 | 1.02 |
| Valley View Industries- McDowell Quarry | 51052-19 | 18070-18998 East 1100 North Road | McDowell | 4.0 M Face Milled Lime | 0.81 | 87.92 | 97.7 | 74.7 | 55.9 | 0.75 | 0.90 |

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|--|-------------------------------------|---|------------------------------|--|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Madison | | | | | | | | | | | |
| Bluff City Minerals | 51192-02 | 4007 College Avenue | Alton | Ledge 1 North Anfo Headings Ledge 2 North West Anfo Bench | 1.87 | 90.46 | 71.6 | 36.5 | 25.8 | 1.29 | 1.32 |
| High Cal Pellet Lime-Bluff City Minerals | 51192-04 | 4007 College Avenue | Alton | Ledge 1 North Anfo Headings Ledge 2 Northwest Anfo Bench | 2.17 | 88.54 | 99.0 | 86.5 | 71.1 | 0.64 | 0.83 |
| Kimaterials Inc-Lohr | 51192-01 | 9434 Godfrey Road | Godfrey | Various | 5.67 | 89.58 | 93.8 | 57.9 | 42.7 | 0.90 | 1.00 |
| Menard | | | | | | | | | | | |
| Hanson Material Service Yard 17 | 51292-02 | 25142 Quarry Avenue | Athens | Combined Ledges | 0.42 | 85.96 | 82.3 | 32.4 | 22.1 | 1.41 | 1.37 |
| Monroe | | | | | | | | | | | |
| Columbia Quarry #7 | 51332-04 | 5440 Quarry Road | Waterloo | 24.4M Ledge 1-3 | 2.29 | 92.53 | 85.4 | 40.8 | 27.7 | 1.14 | 1.16 |
| Montgomery | | | | | | | | | | | |
| Hanson Material Service Yard 12 | 51352-01 | 22283 Taylorville Road | Nokomis | Combined Ledges | 0.34 | 84.98 | 93.6 | 41.6 | 26.9 | 1.21 | 1.20 |
| Hanson Material Service Yard 58 | 51352-04 | 22283 Taylorville Road | Nokomis | Combined Ledges | 0.50 | 90.94 | 100.0 | 99.4 | 94.3 | 0.53 | 0.74 |
| Nokomis Quarry | 51352-03 | 23311 Taylorville Road | Nokomis | Combined Ledges/Course Lime | 0.42 | 92.69 | 73.1 | 22.5 | 12.7 | 1.72 | 1.48 |

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| Montgomery (cont.) | | | | | | | | | | | |
| Nokomis Quarry | 51352-03 | 23311 Taylorville Road | Nokomis | Combined Ledges/Fine Grind Ag Lime | 0.43 | 90.54 | 99.1 | 43.1 | 24.6 | 1.14 | 1.09 |
| Ogle | | | | | | | | | | | |
| Eagle Creek Quarries-Galena Trail | 51412-18 | 2010 South Galena Trail | Polo | 8.5M-19.8M(27.9-64.9)Ledge 003 | 10.73 | 95.47 | 77.3 | 60.2 | 44.4 | 0.85 | 0.99 |
| Fischer Excavating-Monroe Center | 51412-00 | 6511 North Limestone Road | Monroe Center | 0-12.2m(0-40')Ledge 001 | 11.93 | 100.67 | 66.0 | 27.3 | 18.2 | 1.43 | 1.35 |
| Macklin-Rochelle | 51412-68 | 6089 South Dement road | Rochelle | 007 0-39.0m(0'-128') | 8.20 | 97.71 | 73.8 | 36.8 | 27.7 | 1.16 | 1.20 |
| Martin & Company-Lime Kiln | 51412-47 | 1720 North Limekiln | Oregon | 004 +1.0-16.8m (+3'-55') | 0.83 | 96.72 | 76.3 | 38.1 | 26.8 | 1.16 | 1.19 |
| Rogers R/M & Materials-Aschel Ford | 51412-32 | 8503 North Barker Road | Byron | Ledge 006 15.2m-27.0m(49.9'-88.6')38.7' | 11.67 | 97.13 | 79.9 | 40.4 | 29.5 | 1.09 | 1.14 |
| Steve Benesh and Sons Quarry-Oregon | 51412-72 | 3923 North River Road | Oregon | 004 +2.1m-15.2m(6.9'-49.9') | 7.56 | 85.05 | 87.7 | 66.9 | 60.3 | 0.80 | 1.02 |
| Wagner Aggregates-Fairdale | 51412-92 | 20855 E IL Rte 72 | Fairdale | 009 (10.7-22.3) 35.1-73.2' | 9.08 | 100.11 | 87.6 | 51.9 | 35.7 | 0.90 | 0.97 |

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|--|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Pike | | | | | | | | | | | |
| Central Stone | 51492-04 | 26176 487th Street | Pittsfield | Ledge 5 | 3.68 | 94.41 | 86.3 | 51.0 | 39.3 | 0.93 | 1.04 |
| Central Stone Company | 51492-04 | 26176 487th Street | Pittsfield | Ledge 2 | 0.73 | 79.77 | 71.8 | 36.0 | 24.2 | 1.50 | 1.50 |
| Central Stone-Fesler | 51492-41 | 312th Avenue and Township Rd 92 | Barry | Common Stockpile | 0.76 | 81.35 | 95.1 | 61.3 | 43.6 | 0.96 | 1.07 |
| Central Stone-Kinderhook | 51492-05 | 218th Street | Kinderhook | Common Stockpile | 0.49 | 93.18 | 98.5 | 61.5 | 41.8 | 0.84 | 0.92 |
| V.H. Callender- Thomas/Glasgow Quarry- New Hartford Quarry | 51492-01 | 31099 Dutch Creek Road | Rockport | Ledge 1 | 1.03 | 87.03 | 85.6 | 51.7 | 38.1 | 1.02 | 1.12 |
| V.H. Callender-Valley City Quarry | 51492-02 | 310810 Quarry Road | Griggsville | Combined Ledges | 0.40 | 84.15 | 82.4 | 45.8 | 30.4 | 1.19 | 1.24 |
| Randolph | | | | | | | | | | | |
| Bluff City Minerals-Prairie Du Rocher | 51572-04 | Bluff Road | Prairie Du Rocher | 8.5M Ledge 1 | 0.21 | 97.28 | 65.6 | 34.3 | 22.2 | 1.32 | 1.30 |
| Rock Island | | | | | | | | | | | |
| RiverStone Group Inc- Allied (MC30) | 51612-31 | 601 US Rte. 67 North | Milan | Various Ledges (Dolomite) | 8.56 | 75.97 | 94.5 | 77.4 | 69.0 | 0.79 | 1.03 |
| RiverStone Group Inc- Midway (MC45) | 51612-23 | 2721-248 Street North | Hillsdale | Various Ledges | 11.69 | 98.96 | 91.2 | 46.7 | 31.1 | 0.97 | 1.00 |
| RiverStone Group Inc- Allied (MC30) | 51612-31 | 601 US Rte 67 North | Milan | Various Ledges (Limestone) | 5.85 | 75.45 | 75.4 | 48.0 | 40.1 | 1.21 | 1.40 |
| Shelby | | | | | | | | | | | |
| Brush Creek Quarry | 51732-01 | 2371 Co Hwy 6 | Mode | Pickish | 0.47 | 20.04 | 66.5 | 38.6 | 29.1 | 5.63 | 6.00 |

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|---|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| St.Clair | | | | | | | | | | | |
| Casper Stolle Quarry- Quarry Lot | 51632-05 | 3003 Stolle Road | Dupo | L-12 25' | 1.00 | 91.32 | 85.2 | 50.6 | 34.0 | 1.02 | 1.08 |
| Columbia Quarry #9 | 51632-09 | 100 Industrial Drive | Dupo | 9.9M ledge 1-5 | 1.70 | 91.39 | 91.1 | 51.0 | 35.9 | 0.98 | 1.05 |
| Falling Springs Quarry- Quarry Lot | 51632-03 | 2901 Stolle Road | Dupo | L 1B 100' | 1.01 | 93.00 | 88.0 | 50.4 | 35.5 | 0.98 | 1.05 |
| Stephenson | | | | | | | | | | | |
| Civil Materials-Offenheiser (Goldmine) | 51172-83 | 14180 Goldmine Road | Pearl City | Ledge 001 0.0- 15.2m | 8.00 | 91.51 | 87.5 | 44.0 | 30.7 | 1.09 | 1.13 |
| Doc's Excavating Inc- Tessendorf | 51772-04 | 6285 Il Rt 73 North | Lena | Ledge 007 +3.0-15.2m West Face | 9.30 | 100.60 | 70.2 | 41.2 | 30.2 | 1.07 | 1.14 |
| Fischer Excavating Inc- Winnesheik | 51772-51 | 1570 E Winnesheik Road | Freeport | Ledge 001,0.0- 9.1m | 11.52 | 101.21 | 80.0 | 46.1 | 32.9 | 0.97 | 1.04 |
| Union | | | | | | | | | | | |
| Anna Quarry Inc | 51812-02 | 1000 Quarry Road | Anna | 123.9m- 138.5m | 3.75 | 92.67 | 90.1 | 46.0 | 29.7 | 1.06 | 1.08 |
| Shawnee Stone-Jonesboro | 51812-03 | 1275 Jonesboro Quarry Road | Anna | Various | 0.37 | 94.97 | 97.1 | 74.2 | 54.1 | 0.71 | 0.84 |
| Vermilion | | | | | | | | | | | |
| Hanson Material Service- Fairmount Quarry | 51832-01 | 3706 Catlin-Homer Road | Fairmount | North Cut- 20'Ledge | 0.29 | 93.60 | 99.3 | 57.5 | 36.1 | 0.90 | 0.94 |
| Warren | | | | | | | | | | | |
| Coots Materials Monmouth Quarry | 51872-02 | 2351 6th Street | Monmouth | Keokuk/Burling ton Ledges | 2.51 | 87.03 | 86.5 | 57.9 | 45.0 | 0.92 | 1.07 |
| RiverStone Group Inc- Valley Quarry (MC07) | 51872-01 | 772 175th Street | St.Augustine | 60'-70' Ledge Ag Lime 002FA00 | 1.78 | 91.71 | 95.0 | 63.5 | 46.1 | 0.82 | 0.94 |

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|--|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Whiteside | | | | | | | | | | | |
| Alliance Materials-Siers | 51952-86 | 28601 Pilgrim Road | Sterling | 006 21.3m- 29.3m (70-96) | 8.92 | 101.54 | 59.4 | 33.8 | 24.1 | 1.26 | 1.29 |
| Will | | | | | | | | | | | |
| Elmhurst-Chicago Stone- South Side Quarry | 51972-10 | 351 Royce Road | Bolingbrook | 3.7-3.11 M North Side Quarry | 11.59 | 99.62 | 72.4 | 34.8 | 23.6 | 1.22 | 1.21 |
| LafargeHolcim-Joliet | 51972-15 | 2509 Mound Road | Rockdale | All Ledges | 8.80 | 101.40 | 95.0 | 60.5 | 46.2 | 0.76 | 0.87 |
| Vulcan Materials- Bolingbrook | 51972-09 | 22933 West Hassert Blvd. | Plainfield | All Ledges | 4.11 | 97.35 | 73.9 | 43.1 | 32.5 | 1.05 | 1.14 |
| Vulcan Materials-Main Plant | 51972-04 | 1361 North Joliet Road | Romeoville | Various Ledges | 10.08 | 100.83 | 79.3 | 47.4 | 35.0 | 0.95 | 1.03 |
| Vulcan Materials-Laraway | 51972-19 | 595 West Laraway Road | Joliet | 0-27.4m | 8.75 | 97.15 | 76.4 | 31.6 | 21.0 | 1.31 | 1.26 |
| Winnebago | | | | | | | | | | | |
| 3 S Construction | 52012-02 | 11184 North Main | Rockton | 004 | 11.65 | 96.41 | 80.3 | 36.9 | 27.0 | 1.16 | 1.18 |
| Northern Illinois Service- Bedrock | 52012-73 | 6799 Swanson Road | Roscoe | 013 | 11.60 | 96.05 | 80.4 | 48.5 | 33.7 | 1.00 | 1.07 |
| Iowa | | | | | | | | | | | |
| RiverStone Group- McCausland (MC39) | 52202-16 | 300th Street | Long Grove | Various Ledges(MSA) | 11.47 | 99.85 | 72.9 | 42.8 | 35.3 | 1.00 | 1.12 |
| RiverStone Group- McCausland (MC39) | 52202-16 | 300th Street | Long Grove | Various Ledges | 10.66 | 99.72 | 77.1 | 48.4 | 40.0 | 0.91 | 1.05 |
| RiverStone Group-LeClaire (MC38) | 52202-10 | 400 Territorial Road | LeClaire | Various Ledges(Hi-G) | 12.22 | 102.20 | 100.0 | 100.0 | 98.8 | 0.46 | 0.66 |
| RiverStone Group-New Liberty (MC41) | 52202-91 | 2700 New Liberty Road | Stockton | Various Ledges | 10.72 | 93.14 | 96.3 | 57.2 | 46.9 | 0.83 | 0.96 |
| RiverStone Group-LeClaire (MC38) | 52202-10 | 400 Territorial Road | LeClaire | Various Ledges | 8.96 | 102.72 | 80.6 | 46.5 | 33.3 | 0.95 | 1.01 |

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|--|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Iowa (cont.) | | | | | | | | | | | |
| Wendling Quarries-Shaffton | 52202-06 | 2911 Hwy 67 | Camanche | 30' North | 8.84 | 103.89 | 90.3 | 51.0 | 35.8 | 0.86 | 0.93 |
| Indiana | | | | | | | | | | | |
| Bloomington Crushed Stone | 52102-07 | 1100 North Oard Road | Bloomington | 1-6 | 0.23 | 95.41 | 100.0 | 90.9 | 54.6 | 0.65 | 0.74 |
| CalCar Quarries Inc | 52102-10 | 860 E US Hwy 150 | Paoli | Ledges 1-16 | 1.46 | 95.79 | 84.1 | 45.1 | 28.8 | 1.06 | 1.08 |
| Cave Quarries Inc | 77000-97 | 1156 North 425 West | Paoli | Ledges 4-10 | 1.13 | 93.85 | 97.6 | 48.6 | 29.5 | 1.01 | 1.01 |
| Hanson Material Service-Andersons Inc | 52102-37 | 101 Agrico Lane | Seymour | Various | 2.19 | 86.61 | 98.6 | 91.0 | 73.8 | 0.64 | 0.82 |
| Indian Creek Quarry LLC | 52102-38 | 12587 Mount Olive Road | Williams | INDOT ledges 702-801 | 1.58 | 77.36 | 94.5 | 44.2 | 30.2 | 1.26 | 1.29 |
| Lincoln Park Stone-Putnamville Quarry | 52102-30 | 995 West US 40 | Putnamville | Ledges 3-6 | 0.13 | 93.20 | 74.4 | 33.5 | 21.6 | 1.34 | 1.30 |
| Martin Marietta Aggregates-Cloverdale Quarry | 52102-33 | 2010 East Co Rd 800 South | Cloverdale | 58'Face West Pit,South Face,Ledges 10-402 | 0.96 | 87.86 | 92.8 | 48.7 | 34.9 | 1.03 | 1.10 |
| Mulzer Crushed Stone-Evansville Materials | 52100-49 | 900 NW Riverside Drive | Evansville | Various@Charleston Quarry | 7.24 | 97.11 | 82.3 | 44.6 | 33.3 | 1.01 | 1.08 |
| Mulzer Crushed Stone | 52102-11 | 2785 East Temple Road | English | Various Ledges | 0.71 | 87.51 | 93.6 | 52.1 | 34.7 | 1.02 | 1.08 |
| Mulzer Crushed Stone | 52102-14 | 7172 South Tower Road | Leavenworth | Various Ledges | 0.75 | 91.44 | 96.3 | 54.9 | 37.1 | 0.93 | 1.00 |
| Mulzer Crushed Stone | 52102-29 | 3380 W Co Rd North | West Baden Springs | Various | 1.15 | 94.90 | 99.2 | 62.4 | 40.2 | 0.83 | 0.90 |
| Mulzer Crushed Stone | 52102-18 | 19925 Alton Fredonia Road | Leavenworth | Various | 4.29 | 94.20 | 95.5 | 58.8 | 39.2 | 0.87 | 0.94 |

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| Indiana (cont.) | | | | | | | | | | | |
| Newton County Stone- Straight South of Entrance | 52102-01 | 235 US 24 | Kentland | ledges 4-5-6 Pit 7 Levels ABC Grid I,J16 Fine Grinds | 6.97 | 96.53 | 98.0 | 47.7 | 29.7 | 0.98 | 0.99 |
| Newton County Stone- Straight South of Entrance | 52102-01 | 235 US 24 | Kentland | Ledges 4-5-6 Pit 7 Levels ABC Grid I,J16 Coarse Grinds | 7.02 | 95.15 | 74.6 | 36.2 | 26.6 | 1.21 | 1.24 |
| Rogers Group-Mitchell Crushed Stone | 52102-04 | 3020 SR60 West | Mitchell | Ledge 3-7 | 0.64 | 89.26 | 87.9 | 44.6 | 29.9 | 1.12 | 1.15 |
| US Aggregates-The Anderson's Inc | 52102-37 | 101 Agrico Lane | Seymour | Ledges 1&2 | 9.84 | 106.05 | 100.0 | 99.8 | 99.0 | 0.44 | 0.64 |
| Whitesville Mill Service | 52103-22 | 4537 S Nucor Rd Box 314 | Crawfordsville | Produced from steele slag | 4.45 | 63.92 | 99.1 | 62.2 | 38.6 | 1.25 | 1.34 |
| Missouri | | | | | | | | | | | |
| APAC-Brickley's Quarry | 52302-70 | 13588 Brickeys Road | Bloomsdale | Various Ledges | 0.48 | 96.78 | 95.5 | 58.7 | 40.5 | 0.84 | 0.92 |
| Bussen Quarries-Antire Quarry | 52302-65 | 6800 Bussen Antire Road | Eureka | Ledge 11- 27,200' Stockpile#1 Ultra | 5.24 | 95.77 | 100.0 | 99.8 | 98.7 | 0.49 | 0.71 |
| Bussen Quarries-Antire Quarry | 52302-65 | 6800 Bussen Antire Road | Eureka | Stockpile #2 Standard A6 Lime (GRASAN) | 2.37 | 95.87 | 97.5 | 66.6 | 48.9 | 0.75 | 0.87 |
| Bussen Quarries-Koch | 52302-07 | 5000 Bussen Road | St.Louis | Ledge 5- 21,150' | 1.02 | 91.36 | 94.5 | 51.9 | 35.1 | 0.97 | 1.03 |

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|--------------------------------|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Missouri (cont) | | | | | | | | | | | |
| Central Stone-CS 31 Fort Belle | 52302-53 | 14200 Lewis & Clark Blvd | Florissant | Various Ledges | 0.47 | 73.48 | 100.0 | 99.9 | 98.6 | 0.64 | 0.92 |
| Central Stone-CS 31 Fort Belle | 52302-53 | 14200 Lewis & Clark Blvd | Florissant | Various | 0.86 | 94.55 | 91.1 | 35.1 | 14.3 | 1.35 | 1.16 |
| Central Stone-Huntington | 52302-04 | 46445 Sweetbay Lane | Hannibal | Common Stockpile | 0.37 | 94.44 | 98.6 | 56.5 | 32.1 | 0.93 | 0.94 |
| Lafarge Holcim-Highway 51 | 52302-41 | 521 Quarry Lane | Perryville | 19.5M Ledge 2&3 | 1.52 | 92.65 | 90.7 | 40.5 | 27.0 | 1.13 | 1.13 |
| Mississippi Lime | 52302-08 | 16147 US Highway 61 | Ste.Genevieve | 30.0M Underground Code H | 0.25 | 126.73 | 99.9 | 99.1 | 96.5 | 0.37 | 0.54 |
| Mississippi Lime | 52302-08 | 16147 US Highway 61 | Ste.Genevieve | 30.0M Underground R-2 soil conditioner | 0.15 | 85.35 | 100.0 | 100.0 | 99.6 | 0.54 | 0.79 |
| Mississippi Lime | 52302-08 | 16147 US Highway 61 | Ste.Genevieve | 30.0M Underground Calcium Carbonate | 0.08 | 95.90 | 100.0 | 99.7 | 99.5 | 0.48 | 0.71 |
| Mississippi Lime | 52302-08 | 16147 US Highway 61 | Ste.Genevieve | 30.0M Underground R-1 soil conditioner | 0.13 | 97.10 | 100.0 | 77.0 | 32.5 | 0.80 | 0.80 |
| Mississippi Lime | 52302-08 | 16147 US Hwy 61 14180 Goldmine Road | Ste.Genevieve | 30.0M Underground | 0.15 | 125.11 | 100.0 | 100.0 | 99.9 | 0.37 | 0.54 |
| Mississippi Lime | 52302-08 | 16147 US Highway 61 | Ste.Genevieve | 30.0M underground | 0.17 | 97.21 | 60.0 | 41.8 | 28.1 | 1.17 | 1.24 |

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|--|-------------------------------------|---|------------------------------|---|-------------|------------|----------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|
| Missouri (cont) | | | | | | | | | | | |
| Mississippi Lime | 52302-08 | 16147 US Highway 61 | Ste.Genevieve | 30.0M Underground Code L | 0.16 | 112.37 | 100.0 | 90.8 | 58.0 | 0.54 | 0.63 |
| Simpson Materials- Barnhart Quarry | 52302-51 | 860 Sulphur Springs Road | Imperial | Kimswick Ledges 1-5 | 0.12 | 95.16 | 99.9 | 78.2 | 54.4 | 0.69 | 0.81 |
| Tower Rock Stone | 52302-39 | 19829 Lower Frenchman Road | Ste.Genevieve | Various Ledges | 0.65 | 95.40 | 98.2 | 64.5 | 42.3 | 0.81 | 0.89 |
| W.B. Smith | 52302-28 | 10415 MO-79 | Louisiana | Common Stockpile | 0.17 | 92.62 | 92.7 | 53.3 | 36.5 | 0.94 | 1.01 |
| Wisconsin | | | | | | | | | | | |
| Franklin Aggregates | 52402-99 | 6211 Rawson Avenue | Franklin | Combined Ledges | 8.01 | 86.94 | 76.3 | 38.1 | 27.1 | 1.29 | 1.32 |
| Lannon Stone Products- Sussex Quarry | 52402-64 | N52W23096 Lisbon Road | Sussex | 50' Ledge 642 | 9.35 | 99.00 | 57.7 | 26.8 | 20.7 | 1.46 | 1.45 |
| Little Limestone | 52402-86 | 8609 East Little Lane | Clinton | 12.2-18.3m | 9.17 | 94.64 | 90.1 | 80.4 | 72.6 | 0.62 | 0.83 |
| Payne and Dolan Racine- Racine Quarry | 52402-01 | 1501 3 Mile Road | Racine | Lower Mayville | 9.85 | 84.79 | 77.1 | 37.5 | 26.0 | 1.34 | 1.35 |
| Waukesha Lime and Stone | 52402-05 | N250 W233 Hwy F | Waukesha | Combined Levels | 8.95 | 99.56 | 73.2 | 36.7 | 27.8 | 1.14 | 1.19 |