

**Missouri
Agricultural Liming
Materials Report**

July 1 to December 31, 2014

Agricultural Experiment Station

University of Missouri-Columbia

This bulletin is a detailed report of official samples obtained under the Missouri Agricultural Liming Materials Law collected from July 1 through December 31, 2014. There were 728 official samples collected in this period. All samples are analyzed to determine fineness of grind, calcium carbonate equivalent (CCE), and magnesium content (Mg). Effective neutralizing material (ENM) and effective magnesium (EMg) are calculated from this information, as prescribed by Rule, for each dry sample which meets the minimum specifications of at least 90% passing a U.S. No. 8 sieve and minimum 65% CCE. Products not meeting minimum specifications cannot be sold as agricultural liming materials. Twenty-five deficient samples are reported, nineteen for excessive coarseness, six for low CCE. There were six "stop sale" order's issued against producer stockpiles for excessive coarseness. One of the Stop Sale Orders has been released due to corrective action taken at the quarry.

Table 1 lists registered producers and samples obtained at production sites.
Table 2 lists samples obtained from retail distributor stockpiles, by producer.

MISSOURI AGRICULTURAL LIMING MATERIALS TONNAGE
REPORTED SINCE AUGUST 13, 1976

YEAR	SPRING	FALL	TOTAL
1976	-----	2,514,500	-----
1977	1,590,700	1,166,600	2,757,300
1978	1,116,100	2,546,250	3,662,350
1979	975,300	3,068,900	4,044,200
1980	1,431,000	2,266,900	3,697,900
1981	1,336,750	1,228,350	2,565,100
1982	825,100	1,029,000	1,854,100
1983	872,700	1,154,700	2,027,400
1984	595,725	899,459	1,495,185
1985	611,050	783,575	1,394,625
1986	967,375	646,115	1,613,490
1987	1,104,358	1,558,171	2,662,529
1988	1,036,917	1,605,444	2,642,361
1989	939,831	1,586,398	2,526,229
1990	504,100	1,204,551	1,708,651
1991	646,864	835,603	1,482,467
1992	859,648	771,536	1,631,184
1993	397,607	686,345	1,083,952
1994	681,464	967,450	1,648,914
1995	720,140	1,207,663	1,927,803
1996	704,151	886,627	1,590,778
1997	779,876	1,063,760	1,843,636
1998	626,186	1,048,308	1,674,494
1999	606,847	1,557,259	2,164,106
2000	886,861	996,123	1,882,984
2001	512,964	1,311,614	1,824,578
2002	696,473	1,079,130	1,775,603
2003	596,438	829,574	1,426,012
2004	629,642	748,503	1,378,145
2005	667,212	659,215	1,326,427
2006	839,305	774,665	1,613,969
2007	481,973	1,085,571	1,567,544
2008	373,490	727,861	1,101,351
2009	681,600	583,025	1,264,626
2010	446,530	1,321,861	1,768,392
2011	377,505	1,092,184	1,469,689
2012	748,274	1,962,906	2,711,180
2013	387,007	919,294	1,306,301
2014	572,329	862,113	1,434,442

* PRELIMINARY ESTIMATE

TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
76 QUARRY, MANSFIELD, MO										
ALBY QUARRY, CARLINVILLE, IL										
ALLEN QUARRIES INC, LOCKWOOD, MO										
Stockpile #1										
Lab #0911	10-07-14	1.0	42.9	13.5	42.6	95.3	0.2	61.4	468	2
Lab #1013	10-27-14	0.7	47.4	14.7	37.2	92.1	0.6	57.9	426	7
Lab #1153	11-19-14	0.3	55.2	15.6	28.9	89.1	0.6	52.1	371	6
Stockpile #2										
Lab #1014	10-27-14	6.7	41.9	14.4	37.0	95.4	0.2	56.1	428	2
AMERICAN ROCK, LLC, BRANSON, MO										
Stockpile #1										
Lab #0652	08-18-14	2.3	35.7	10.5	51.5	82.6	9.5	66.7	441	127
Lab #0787	09-17-14	3.2	35.0	10.4	51.4	83.7	9.8	66.4	445	130
Stockpile #2										
Lab #0653	08-18-14	0.7	41.2	10.3	47.8	79.8	2.8	64.3	410	36
Lab #0788	09-17-14	0.2	41.7	10.6	47.5	79.6	2.8	64.3	409	36
ANNA QUARRY, INC, ANNA, IL										
APAC MISSOURI/HILTY DIV-ADRIAN, OVERLAND PARK, KS										
Stockpile #1										
Lab #0803	09-17-14	10.3*	41.3	9.3	39.1	88.9	0.4	55.0	0	0
Lab #0886	10-02-14	10.3*	40.8	8.9	40.0	88.0	0.5	55.5	0	0
Lab #1202	12-03-14	10.5*	41.8	9.2	38.5	89.0	0.5	54.5	0	0
Stockpile #4										
Lab #0887	10-02-14	7.8	38.7	10.0	43.5	91.4	0.4	59.2	433	5
Lab #1203	12-03-14	11.6*	41.0	8.7	38.7	88.9	0.4	54.2	0	0
APAC - KANSAS, INC. - CAMERON, PLATTSBURG, MO										
Stockpile #2										
Lab #0588	08-06-14	0.4	52.2	9.9	37.5	72.6	2.0	56.5	328	23
Lab #0599	08-15-14	0.1	46.9	10.9	42.1	70.9	2.0	60.4	342	24
Lab #0781	09-19-14	0.5	35.1	15.2	49.2	66.0	2.4	67.1	354	32
Lab #1161	11-19-14	0.6	44.7	12.4	42.3	66.5	2.2	60.9	324	27
Lab #1266	12-11-14	0.5	41.5	12.6	45.4	66.0	2.2	63.3	334	28
APAC - KANSAS, INC. - GOWER, PLATTSBURG, MO										
Stockpile #3										
Lab #0676	08-19-14	0.6	37.6	13.1	48.7	73.7	1.3	66.0	389	17
Lab #0773	09-16-14	1.0	36.8	13.4	48.8	75.1	1.1	66.0	397	15
Lab #1120	11-12-14	0.5	34.7	14.6	50.2	70.3	1.1	67.6	380	15
APAC - KANSAS, INC. - KINGSTON, PLATTSBURG, MO										
Stockpile #1										
Lab #0619	08-18-14	1.6	47.7	11.6	39.1	87.7	1.3	58.0	407	15
Lab #0798	09-18-14	4.0	47.8	10.8	37.4	86.7	2.1	55.8	387	23
Lab #0939	10-16-14	5.7	51.1	10.4	32.8	88.1	1.3	51.8	365	13
Lab #1070	11-07-14	4.4	49.4	11.9	34.3	81.8	2.1	53.8	352	23
Lab #1253	12-10-14	5.7	48.8	9.9	35.6	85.9	1.5	53.7	369	16
Stockpile #2										
Lab #0620	08-18-14	0.3	29.7	15.8	54.2	84.4	0.6	71.1	480	9
Lab #0799	09-18-14	1.6	48.5	11.5	38.4	83.2	0.6	57.4	382	7
Stockpile #3										
Lab #0621	08-18-14	0.5	23.2	16.5	59.8	83.2	0.6	75.5	503	9
Lab #0800	09-18-14	0.5	24.3	16.6	58.6	80.6	0.6	74.6	481	9
Stockpile #4										
Lab #0622	08-18-14	1.6	41.4	11.8	45.2	84.3	0.5	62.6	422	6
Lab #0801	09-18-14	1.5	52.0	10.9	35.6	79.3	1.3	55.1	350	14
Lab #0940	10-16-14	1.7	39.9	12.2	46.2	83.3	0.6	63.5	423	8
Lab #1071	11-07-14	1.2	37.9	12.9	48.0	82.4	0.6	65.2	430	8
Lab #1252	12-10-14	0.8	44.7	11.3	43.2	83.9	0.6	61.2	410	7
Stockpile #5										
Lab #1068	11-06-14	0.2	35.9	12.4	51.5	84.9	1.9	67.9	461	26
Lab #1072	11-07-14	0.0	32.2	14.6	53.2	82.2	2.3	70.0	460	32
Lab #1073	11-10-14	0.2	42.9	13.0	43.9	85.2	2.0	62.4	425	25
Lab #1251	12-10-14	0.3	39.1	14.2	46.4	83.0	0.5	64.7	430	6
APAC-KANSAS, INC - HARRISONVILLE, HARRISONVILLE, MO										
APAC - KANSAS, INC. - LATHROP, PLATTSBURG, MO										
Stockpile #2										
Lab #0674	08-15-14	3.2	51.2	10.8	34.8	80.3	1.1	54.1	347	12
Lab #0839	09-22-14	0.6	46.8	12.0	40.6	83.5	0.8	59.5	397	10
Lab #1151	11-19-14	2.8	47.4	12.3	37.5	80.1	1.1	56.7	364	12
Lab #1271	12-16-14	0.3	49.2	13.5	37.0	86.1	0.8	57.4	395	9

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JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
APAC MISSOURI/HILTY DIV - LEETON, OVERLAND PARK, KS										
Stockpile #3										
Lab #0740	09-02-14	1.5	42.5	12.3	43.7	90.7	0.4	61.7	448	5
Lab #1125	11-13-14	1.5	42.0	12.9	43.6	91.1	0.4	61.8	451	5
APAC MISSOURI/HILTY DIV.- MONTROSE, OVERLAND PARK, KS										
Stockpile #1										
Lab #0581	08-05-14	8.9	51.4	9.0	30.7	78.8	1.3	49.0	309	13
Lab #0986	10-23-14	9.9	52.8	8.2	29.1	80.2	1.0	47.2	303	9
Lab #1197	12-01-14	11.3*	50.2	8.4	30.1	78.2	1.3	47.7	0	0
APAC MISSOURI/HILTY DIV- SOUTH DELL, OVERLAND PARK, KS										
Stockpile #1										
Lab #0680	08-20-14	3.3	48.5	11.1	37.1	92.7	0.7	55.9	414	8
Lab #0865	09-22-14	3.0	48.9	11.0	37.1	89.9	0.5	55.9	402	6
Lab #0983	10-21-14	2.1	48.6	10.6	38.7	90.8	0.8	57.2	416	9
Lab #1239	12-08-14	3.2	48.7	11.1	37.0	92.7	0.5	55.8	414	6
APAC - KANSAS, INC. - STANBERRY, STANBERRY, MO										
Stockpile #4										
Lab #0587	08-06-14	0.2	41.1	9.8	48.9	71.1	2.0	65.1	370	26
Lab #0589	08-08-14	0.0	31.0	13.7	55.3	73.5	1.8	71.3	419	26
Lab #0739	09-04-14	0.2	48.2	9.8	41.8	72.3	1.9	59.7	345	23
Lab #0777	09-18-14	1.2	29.8	12.8	56.2	71.8	1.9	71.3	410	27
Lab #0935	10-15-14	0.6	41.4	10.9	47.1	70.7	2.1	64.0	362	27
Lab #1189	12-01-14	0.1	54.8	11.3	33.8	72.8	1.7	54.3	316	18
APAC MISSOURI/HILTY DIV - TIGHTWAD, OVERLAND PARK, KS										
Stockpile #1										
Lab #0744	09-04-14	0.5	46.2	12.2	41.1	91.7	0.1	60.0	440	1
Lab #1080	11-04-14	0.2	43.6	11.3	44.9	90.2	0.3	62.6	452	4
Lab #1241	12-08-14	1.0	41.4	12.3	45.3	88.3	0.1	63.0	445	1
Stockpile #2										
Lab #0745	09-04-14	2.2	46.7	12.2	38.9	85.6	1.5	57.9	396	17
Lab #1081	11-04-14	2.0	43.5	10.6	43.9	87.4	1.3	61.1	427	16
Lab #1242	12-08-14	1.5	42.8	11.6	44.1	87.9	1.1	61.8	434	14
APAC MISSOURI/HILTY DIV - URICH, OVERLAND PARK, KS										
Stockpile #3										
Lab #0582	08-05-14	8.9	49.8	8.4	32.9	74.6	0.9	50.4	301	9
Lab #0985	10-23-14	8.0	47.9	7.3	36.8	74.1	0.9	53.2	315	10
Lab #1198	12-01-14	8.2	48.8	9.0	34.0	75.1	1.1	51.6	310	11
APAC-CENTRAL INC.-N.HARRISON QUARRY, FAYETTEVILLE, AR										
APAC-CENTRAL INC. -VALLEY SPRINGS, FAYETEVILLE, AR										
Stockpile #1										
Lab #0657	08-21-14	0.7	42.8	15.0	41.5	95.8	0.1	61.2	469	1
Lab #0964	10-23-14	0.5	46.5	13.2	39.8	94.6	0.2	59.3	449	2
Lab #1114	11-12-14	0.5	44.9	14.2	40.4	93.0	0.1	60.1	447	1
APAC-MISSOURI, INC - BAGNELL 13, OVERLAND PARK, KS										
Stockpile #1										
Lab #0972	10-14-14	4.7	40.9	13.9	40.5	91.7	11.4	59.1	433	135
Lab #1085	11-06-14	4.9	40.4	13.5	41.2	91.3	10.8	59.4	434	128
APAC-MISSOURI, INC. - BOONVILLE, BOONVILLE, MO										
Stockpile #1										
Lab #1099	11-14-14	7.8	46.6	12.2	33.4	90.7	0.4	52.4	380	4
Lab #1260	12-12-14	6.3	48.8	12.7	32.2	94.2	0.1	52.0	392	1
Stockpile #2										
Lab #1100	11-14-14	10.1*	47.0	11.6	31.3	92.4	0.3	50.0	0	0
Lab #1261	12-12-14	13.9*	45.1	11.4	29.6	93.8	0.3	47.7	0	0
APAC - BRICKEY'S STONE, BLOOMSDALE, MO										
Stockpile #1										
Lab #0690	08-28-14	3.0	39.5	12.1	45.4	95.0	0.7	62.5	475	9
Lab #1009	10-30-14	2.0	42.2	11.7	44.1	94.2	0.8	61.7	465	10
APAC - KANSAS & MISSOURI -DEFIANCE, OVERLAND PARK, KS										
Stockpile #1										
Lab #0661	08-18-14	0.6	41.5	11.1	46.8	94.4	5.7	63.8	482	73
Lab #0974	10-22-14	1.4	45.2	10.8	42.6	94.3	5.5	60.4	456	66
APAC-MISSOURI, INC. - LINN CREEK, LINN CREEK, MO										
APAC-CENTRAL, INC. - BUSIEK, FAYETTEVILLE, AR										
Stockpile #1										
Lab #0786	09-17-14	5.8	47.8	6.4	40.0	88.1	10.3	55.8	393	115
APAC-MISSOURI, INC. - MARSHALL, MARSHALL, MO										
Stockpile #5										
Lab #1087	11-12-14	0.7	45.9	14.6	38.8	91.1	1.6	59.0	430	19
Lab #1258	12-12-14	1.5	53.1	13.3	32.1	92.2	0.3	53.4	394	3

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JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
APAC-MISSOURI, INC.-MARSHALL (WEST), OVERLAND PARK, KS										
APAC-MISSOURI, INC - PETTIS QUARRY, OVERLAND PARK, KS										
APAC-CENTRAL INC. - ROARK CREEK, FAYETTEVILLE, AR										
Stockpile #1										
Lab #0651	08-18-14	3.4	59.0	7.5	30.1	90.4	10.6	49.4	357	105
Lab #0789	09-17-14	3.9	58.8	7.7	29.6	91.0	10.8	48.9	356	106
APAC - KANSAS & MISSOURI - SNOW RD, SEDALIA, MO										
Stockpile #1										
Lab #1262	12-12-14	6.8	48.3	10.9	34.0	94.3	2.7	52.6	397	28
Lab #1273	12-23-14	8.1	48.2	10.5	33.2	92.6	2.5	51.6	382	26
ARKANSAS LIME COMPANY, INC., BATESVILLE, AR										
Stockpile #1										
Lab #0637	08-18-14	2.1	43.5	12.8	41.6	94.6	0.1	60.2	455	1
ASH GROVE AGGREGATES-DEEPWATER, OVERLAND PARK, KS										
Stockpile #1										
Lab #0681	08-20-14	0.1	35.9	14.5	49.5	84.6	0.1	67.2	455	1
Lab #0804	09-19-14	0.2	46.9	12.8	40.1	92.3	0.2	59.5	439	2
Lab #1174	11-20-14	0.1	38.0	15.6	46.3	92.9	0.4	65.2	484	5
ASH GROVES AGGREGATES-DEVER, OVERLAND PARK, KS										
ASH GROVE AGGREGATES-FAIR GROVE, OVERLAND PARK, KS										
Stockpile #2										
Lab #0844	09-23-14	4.3	53.4	7.0	35.3	86.0	10.1	52.9	364	107
Lab #1046	11-03-14	5.8	51.4	7.5	35.3	88.4	10.7	52.7	372	113
Lab #1172	11-25-14	3.8	52.0	6.9	37.3	85.1	10.5	54.4	371	114
ASH GROVE AGGREGATES, INC-STOCKTON, OVERLAND PARK, KS										
Stockpile #2										
Lab #0741	09-03-14	2.2	46.3	12.8	38.7	90.0	0.1	58.0	417	1
Lab #1078	11-03-14	2.3	48.9	12.0	36.8	89.9	0.2	56.2	404	2
Lab #1243	12-09-14	3.7	46.1	12.5	37.7	90.1	0.1	56.7	409	1
ASH GROVE AGGREGATES-FAIR PLAY, OVERLAND PARK, KS										
Stockpile #2										
Lab #0580	08-04-14	0.0	36.9	17.7	45.4	93.6	0.2	65.2	489	3
Lab #1124	11-12-14	0.0	37.6	17.7	44.7	92.3	0.2	64.7	478	3
ASH GROVE AGGREGATES INC-S&K, OVERLAND PARK, KS										
Stockpile #2										
Lab #0682	08-21-14	3.6	43.8	12.8	39.8	85.3	0.7	58.4	399	8
Lab #0868	09-23-14	2.5	43.9	13.5	40.1	84.8	0.7	59.2	401	8
Lab #1155	11-10-14	0.8	42.0	15.8	41.4	84.6	0.6	61.4	415	7
ASH GROVE AGGREGATES INC-LACYGNE, OVERLAND PARK, KS										
Stockpile #1										
Lab #0869	09-23-14	0.2	38.7	11.5	49.6	80.1	1.2	66.2	424	16
Lab #1156	11-10-14	1.0	41.5	9.7	47.8	78.6	0.9	64.0	402	12
ASH GROVE AGGREGATES INC-MARSHFIELD, OVERLAND PARK, KS										
ASH GROVE AGGREGATES INC-MONTEVALLO, OVERLAND PARK, KS										
ASH GROVE AGGREGATES INC-OSCEOLA, OVERLAND PARK, KS										
Stockpile #1										
Lab #0683	08-22-14	0.3	43.2	8.5	48.0	77.2	6.0	63.9	395	77
Lab #0871	09-26-14	2.2	45.8	11.0	41.0	83.7	2.7	59.1	395	32
Lab #1173	11-20-14	2.5	44.8	11.7	41.0	87.5	2.2	59.2	415	26
ASH GROVE AGGREGATES INC-WHEATLAND, OVERLAND PARK, KS										
Stockpile #1										
Lab #0635	08-12-14	3.5	48.0	11.2	37.3	95.4	0.1	56.0	428	1
Lab #0866	09-22-14	1.2	49.3	11.0	38.5	94.0	0.2	57.4	432	2
Lab #1083	11-05-14	0.6	48.0	12.3	39.1	93.4	0.1	58.5	437	1
Stockpile #2										
Lab #0636	08-12-14	0.5	45.4	14.5	39.6	95.0	0.2	59.7	453	2
Lab #0867	09-22-14	0.1	45.6	13.5	40.8	94.9	0.1	60.3	458	1
Lab #1084	11-05-14	0.2	45.3	15.1	39.4	95.3	0.1	59.8	456	1
ASH GROVE AGGREGATES INC-BUFFALO, OVERLAND PARK, KS										
Stockpile #1										
Lab #0583	08-06-14	1.1	39.1	11.1	48.7	92.3	10.9	65.1	481	142
Lab #1199	12-02-14	1.4	41.2	10.9	46.5	93.5	10.9	63.3	474	138
BAILEY QUARRIES INC-CHESAPEAKE Q., REPUBLIC, MO										
Stockpile #1										
Lab #0585	08-04-14	0.3	45.9	11.4	42.4	89.8	10.6	60.7	436	129
Lab #0729	09-02-14	0.3	46.4	9.4	43.9	90.0	11.5	61.1	440	141
Lab #1228	12-10-14	0.1	43.5	8.7	47.7	87.5	10.6	63.8	447	135
BAILEY QUARRIES, INC -EUDORA QUARRY, REPUBLIC, MO										
Stockpile #1										
Lab #0705	08-27-14	0.3	41.9	17.3	40.5	94.2	0.2	61.4	462	2

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		+8	-8+40	-40+60	-60				ENM	EMg
BAILEY QUARRIES, INC -EUDORA QUARRY, REPUBLIC, MO (continued)										
Stockpile #1										
Lab #0957	10-20-14	0.2	41.2	16.2	42.4	92.3	0.2	62.4	461	2
Stockpile #2										
Lab #0706	08-27-14	3.4	49.6	12.5	34.5	87.0	0.7	54.4	379	8
Lab #0958	10-20-14	0.1	52.3	12.3	35.3	87.8	0.6	55.8	392	7
Stockpile #3										
Lab #0707	08-27-14	9.1	45.8	10.4	34.7	79.8	0.5	52.4	334	5
BAILEY QUARRIES INC-JANE, REPUBLIC, MO										
Stockpile #2										
Lab #0704	08-26-14	0.1	36.7	9.6	53.6	90.5	11.2	68.5	496	154
Lab #1169	11-24-14	0.0	36.1	9.8	54.1	89.0	11.1	69.0	491	153
BAILEY QUARRIES, INC.-MADRY QUARRY, REPUBLIC, MO										
Stockpile #2										
Lab #0606	08-15-14	2.4	56.4	9.6	31.6	82.4	1.2	51.5	339	12
Lab #1196	11-04-14	2.5	54.4	8.6	34.5	82.1	5.4	53.3	350	58
BAILEY QUARRIES - SARCOXIE, REPUBLIC, MO										
Stockpile #1										
Lab #0654	08-19-14	7.8	46.2	11.5	34.5	88.1	0.1	53.0	373	1
Lab #0766	09-09-14	6.0	49.8	10.8	33.4	84.6	0.1	52.3	354	1
Lab #0792	09-19-14	7.3	48.4	10.7	33.6	85.0	0.1	52.1	354	1
BAILEY QUARRIES INC-STOCKTON, REPUBLIC, MO										
Stockpile #1										
Lab #0607	08-13-14	0.4	50.8	13.9	34.9	95.9	0.1	55.9	429	1
Lab #0742	09-03-14	0.3	50.8	13.9	35.0	94.1	0.1	56.0	422	1
Lab #1077	11-03-14	0.4	53.6	13.7	32.3	94.3	0.1	53.9	407	1
Lab #1244	12-09-14	0.3	50.8	14.1	34.8	95.1	0.1	56.0	426	1
BARRETT MATERIALS, INC. - BELLE, NEW HAVEN, MO										
BARRETT MATERIALS INC, NEW HAVEN, MO										
Stockpile #1										
Lab #0664	08-20-14	0.1	36.7	11.5	51.7	68.9	8.3	67.8	374	113
Lab #0973	10-21-14	0.0	35.6	10.3	54.1	70.1	8.4	69.2	388	116
Lab #1146	11-18-14	0.0	37.0	11.1	51.9	69.1	8.4	67.8	375	114
BASE ROCK MINERALS, BONNE TERRE, MO										
Stockpile #1										
Lab #0700	08-28-14	0.3	39.3	14.5	45.9	94.3	11.0	64.4	486	142
Lab #0915	10-14-14	4.4	60.5	8.5	26.6	99.6	11.2	46.8	373	105
Lab #1032	11-06-14	2.2	56.9	10.8	30.1	97.6	11.4	50.8	397	116
Stockpile #2										
Lab #0701	08-28-14	0.5	48.8	12.1	38.6	94.4	11.5	58.1	438	134
Lab #0916	10-14-14	1.1	50.2	12.0	36.7	93.4	11.1	56.5	422	125
Lab #1033	11-06-14	0.4	43.4	13.2	43.0	95.0	11.3	61.8	469	140
BOONE QUARRIES INC - WEST, COLUMBIA, MO										
BOONE QUARRIES INC - NORTH, COLUMBIA, MO										
BOONE QUARRIES - EAST, COLUMBIA, MO										
Stockpile #1										
Lab #0545	08-01-14	2.7	13.6	11.5	72.2	97.5	2.9	82.5	644	48
Lab #0750	08-22-14	3.8	22.5	14.1	59.6	86.3	2.7	73.7	509	40
Lab #0826	09-22-14	3.5	27.9	12.3	56.3	88.7	6.3	70.7	501	89
Lab #1057	11-05-14	3.7	20.2	12.8	63.3	91.2	4.5	76.0	555	68
Lab #1221	12-05-14	3.5	22.5	11.6	62.4	86.7	5.8	75.0	520	87
BOONE QUARRIES INC. - SEDALIA, COLUMBIA, MO										
Stockpile #2										
Lab #1090	11-12-14	4.4	53.5	9.6	32.5	90.5	3.5	51.6	374	36
Lab #1256	12-12-14	3.7	50.7	9.9	35.7	87.5	3.0	54.3	380	33
Stockpile #4										
Lab #1089	11-12-14	5.9	49.3	10.6	34.2	96.5	1.1	52.9	408	12
Lab #1255	12-12-14	5.2	49.9	11.1	33.8	96.3	1.1	52.9	408	12
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Stockpile #1										
Lab #0688	08-26-14	0.0	0.2	0.5	99.3	97.4	7.2	99.7	776	143
Lab #0830	09-22-14	0.0	0.7	0.7	98.6	98.8	8.7	99.2	784	173
Lab #1235	12-10-14	0.0	0.6	0.9	98.5	99.9	9.4	99.2	793	186
Stockpile #2										
Lab #0687	08-26-14	1.8	43.1	11.6	43.5	95.6	3.3	61.2	468	40
Lab #0831	09-22-14	2.2	36.7	9.4	51.7	95.5	3.8	66.5	508	51
Lab #1236	12-10-14	3.6	48.0	9.3	39.1	95.6	2.8	56.7	433	32
CALCIUM PRODUCTS, INC., AMES, IA										

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
CANTERA AGGREGATE INC, CORYDON, IA										
Stockpile #2										
Lab #0565	08-04-14	0.4	32.6	14.6	52.4	71.8	0.4	69.3	398	6
Lab #0671	08-21-14	0.4	33.9	15.2	50.5	69.4	0.6	68.1	378	8
Lab #0944	10-13-14	8.3	42.0	9.9	39.8	72.5	0.7	56.2	326	8
Lab #1164	11-24-14	0.8	37.0	11.3	50.9	69.8	0.6	66.9	374	8
CAPITAL QUARRIES CO., INC.-ARCADIA, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0832	09-24-14	1.2	48.8	11.7	38.3	97.6	11.5	57.5	449	132
Lab #1035	11-06-14	0.6	50.5	11.8	37.1	98.7	11.6	56.8	449	132
CAPITAL QUARRIES, INC.- DANVILLE, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0593	08-13-14	0.5	50.5	9.9	39.1	90.8	0.8	57.7	419	9
Lab #0771	09-10-14	0.1	51.1	12.2	36.6	90.9	0.7	56.7	412	8
CAPITAL QUARRIES CO., INC- EUGENE, JEFFERSON CITY, MO										
Stockpile #2										
Lab #0542	08-01-14	0.2	38.8	8.0	53.0	78.4	9.3	68.0	423	126
CAPITAL QUARRIES CO., INC.-OWENSVIL, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0579	08-06-14	0.6	42.2	10.8	46.4	86.1	10.0	63.4	437	127
Lab #0713	09-03-14	0.5	38.6	9.5	51.4	87.1	10.0	66.8	465	134
Lab #0907	10-08-14	1.1	43.3	10.1	45.5	88.0	10.9	62.4	439	136
Lab #1144	11-17-14	0.1	37.5	9.1	53.3	86.0	10.8	68.1	469	147
CAPITAL QUARRIES, INC-STADIUM WEST, JEFFERSON CITY, MO										
CAPITAL QUARRIES INC-ROLLA Q #4, JEFFERSON CITY, MO										
Stockpile #2										
Lab #0592	08-12-14	1.7	22.0	7.9	68.4	90.2	10.4	78.6	567	164
Lab #0918	10-15-14	1.5	21.9	9.6	67.0	88.2	10.7	78.2	552	167
Lab #1232	12-09-14	0.8	17.1	10.2	71.9	84.0	9.8	82.3	553	161
CAPITAL QUARRIES INC-CALIFORNIA Q#5, JEFFERSON CITY, MO										
CAPITAL QUARRIES INC.-HERMANN #14, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0572	08-04-14	0.2	39.9	10.0	49.9	86.0	10.3	65.9	453	136
Lab #0714	09-03-14	0.3	39.2	9.4	51.1	87.2	10.7	66.5	464	142
Lab #0903	10-07-14	0.2	40.7	9.7	49.4	87.1	10.6	65.4	456	139
Lab #1145	11-18-14	0.1	39.3	8.3	52.3	89.3	11.2	67.1	479	150
CAPITAL QUARRIES INC. -HOLTS SUMMIT, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0685	08-29-14	5.3	42.5	9.8	42.4	71.7	0.6	58.9	338	7
Lab #0952	10-17-14	4.6	45.9	10.9	38.6	75.6	0.8	56.6	342	9
Lab #1108	11-13-14	6.3	45.7	10.5	37.5	74.4	0.5	55.2	329	6
CAPITAL QUARRIES, INC - SALEM, JEFFERSON CITY, MO										
CAPITAL QUARRIES INC-SULLIVAN, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0609	08-11-14	5.7	46.9	12.0	35.4	94.0	11.1	54.3	409	121
Lab #0906	10-09-14	5.8	48.9	11.4	33.9	94.3	11.6	53.0	400	123
Lab #1105	11-12-14	6.7	46.4	12.3	34.6	93.7	11.5	53.6	402	123
CARROLL COUNTY STONE, INC., REPUBLIC, MO										
Stockpile #1										
Lab #0656	08-21-14	1.5	43.6	12.1	42.8	86.3	10.0	61.0	421	122
Lab #0965	10-23-14	0.7	42.5	11.2	45.6	84.2	10.5	62.9	424	132
Lab #1115	11-12-14	0.6	39.6	12.3	47.5	91.3	10.7	64.8	473	139
CARTHAGE CRUSHED LIMESTONE, CARTHAGE, MO										
Stockpile #1										
Lab #0730	09-03-14	0.3	8.7	4.4	86.6	94.5	0.2	91.4	691	4
Lab #1015	10-28-14	0.8	3.4	2.7	93.1	94.9	0.1	95.6	726	2
Stockpile #2										
Lab #0731	09-03-14	0.5	3.2	2.1	94.2	95.1	0.1	96.3	732	2
Lab #1016	10-28-14	0.4	1.1	1.9	96.6	95.2	0.1	98.0	746	2
Stockpile #3										
Lab #0732	09-03-14	0.0	0.5	1.8	97.7	94.4	0.2	98.9	747	4
Lab #1017	10-28-14	0.0	0.5	2.2	97.3	94.9	0.1	98.7	750	2
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Stockpile #2										
Lab #0551	08-06-14	0.4	36.4	14.6	48.6	83.3	0.1	66.5	443	1
Lab #0747	08-29-14	0.6	38.2	16.2	45.0	82.8	0.1	64.3	426	1
Stockpile #3										
Lab #0863	09-25-14	0.5	32.5	15.3	51.7	88.8	0.2	69.0	490	3
Lab #1020	10-20-14	0.9	32.6	13.7	52.8	86.1	0.2	69.2	476	3
Lab #1098	11-11-14	0.4	34.1	16.0	49.5	91.9	0.3	67.6	497	4

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		+8	-8+40	-40+60	-60				ENM	EMg
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO (continued)										
Stockpile #4										
Lab #0552	08-06-14	0.9	2.6	9.1	87.4	88.8	0.6	93.5	664	11
Lab #0748	08-29-14	0.2	1.2	7.9	90.7	71.4	0.1	95.7	547	2
Lab #0864	09-25-14	0.9	3.5	10.5	85.1	86.9	0.6	92.3	641	11
Lab #1021	10-20-14	0.2	2.9	11.4	85.5	87.7	0.5	93.1	653	9
Lab #1126	11-11-14	1.3	3.8	11.0	83.9	92.6	0.6	91.5	677	11
CENTRAL STONE COMPANY-ANTONIA, HANNIBAL, MO										
CENTRAL STONE COMPANY - BETHEL, SHELBYVILLE, MO										
CENTRAL STONE COMPANY - FARMINGTON, FARMINGTON, MO										
Stockpile #3										
Lab #0699	08-28-14	0.5	2.1	2.4	95.0	89.5	2.4	97.0	694	47
Lab #0917	10-14-14	0.8	4.0	2.9	92.3	89.0	2.4	95.0	677	46
Lab #1034	11-06-14	0.6	4.1	3.0	92.3	88.9	2.4	95.1	677	46
CENTRAL STONE CO - FORT BELLE - #31, FLORISSANT, MO										
Stockpile #1										
Lab #0753	08-25-14	0.0	0.6	1.5	97.9	81.6	0.9	99.0	646	18
Lab #1018	10-17-14	0.0	0.2	1.5	98.3	89.1	3.0	99.3	707	60
Lab #1096	11-07-14	0.0	0.5	1.9	97.6	70.0	1.4	98.9	554	28
CENTRAL STONE COMPANY - PARIS, PARIS, MO										
Stockpile #2										
Lab #0649	08-22-14	5.8	49.8	10.6	33.8	88.1	0.3	52.6	371	3
Lab #0818	09-16-14	5.3	46.1	11.6	37.0	87.7	0.3	55.5	389	3
Lab #1028	10-30-14	6.3	47.3	11.6	34.8	88.0	0.3	53.6	377	3
Lab #1215	11-26-14	5.6	48.1	11.1	35.2	88.1	0.2	53.9	380	2
CENTRAL STONE COMPANY - CURRYVILLE, CURRYVILLE, MO										
Stockpile #2										
Lab #0629	08-13-14	1.1	37.2	11.8	49.9	83.3	1.3	66.3	442	17
Lab #0749	09-08-14	1.8	40.1	10.8	47.3	88.3	1.2	63.8	451	15
Lab #0874	09-30-14	1.4	40.5	12.1	46.0	87.9	1.2	63.4	446	15
Lab #1023	10-23-14	1.2	38.6	12.5	47.7	86.5	1.1	64.9	449	14
Lab #1097	11-11-14	3.0	38.1	12.0	46.9	84.4	1.2	63.6	430	15
CENTRAL STONE COMPANY - PERRY, HANNIBAL, MO										
CENTRAL STONE COMPANY - EWING, HANNIBAL, MO										
Stockpile #1										
Lab #0647	08-21-14	1.9	37.3	12.6	48.2	79.9	0.1	65.1	416	1
Lab #0824	09-19-14	1.0	45.2	11.6	42.2	87.5	0.1	60.5	423	1
Lab #1025	10-28-14	3.0	43.6	12.2	41.2	82.5	0.1	59.4	392	1
Lab #1133	11-14-14	3.1	44.5	12.2	40.2	83.9	0.1	58.6	394	1
Lab #1282	12-11-14	2.6	43.9	11.7	41.8	84.0	0.2	60.0	402	2
CENTRAL STONE COMPANY - TAYLOR, TAYLOR, MO										
Stockpile #1										
Lab #0643	08-20-14	2.3	42.8	12.7	42.2	85.5	0.7	60.5	414	8
Lab #0827	09-23-14	7.2	41.9	10.9	40.0	85.9	0.8	57.0	392	9
Lab #1026	10-28-14	7.2	44.1	11.2	37.5	87.0	0.8	55.2	385	9
Lab #1134	11-18-14	6.8	44.2	11.4	37.6	86.8	0.8	55.5	385	9
CLEVER STONE CO, CLEVER, MO										
Stockpile #1										
Lab #0603	08-13-14	0.4	50.5	14.2	34.9	92.9	0.1	56.0	417	1
Lab #0738	09-05-14	0.9	51.4	11.1	36.6	92.4	0.2	56.1	415	2
Lab #0914	10-09-14	0.6	51.8	12.9	34.7	92.1	0.1	55.4	408	1
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Stockpile #1										
Lab #0604	08-14-14	0.0	9.2	16.7	74.1	97.1	0.1	86.4	671	2
Lab #0846	09-23-14	0.0	18.3	18.4	63.3	96.5	0.2	78.9	609	3
Lab #1047	11-03-14	0.0	21.2	19.9	58.9	96.3	0.3	76.1	587	5
Lab #1170	11-25-14	0.0	12.6	17.1	70.3	96.3	0.4	83.7	645	7
COUNTY LINE QUARRY, WELLSVILLE, MO										
Stockpile #1										
Lab #0549	08-04-14	5.6	47.0	9.4	38.0	92.4	3.6	55.4	409	40
Lab #0861	09-24-14	4.1	44.2	9.9	41.8	92.3	4.8	58.8	434	56
Lab #1024	10-24-14	1.8	46.3	10.0	41.9	87.9	6.1	59.5	418	73
Lab #1213	11-25-14	3.9	47.7	8.4	40.0	86.2	5.3	57.0	393	60
COUNTY LINE STONE, CASSVILLE, MO										
CRAWFORD LIME & MATERIAL CO, CUBA, MO										
Stockpile #2										
Lab #0667	08-21-14	0.1	46.3	9.9	43.7	85.5	10.2	61.2	419	125
Lab #0951	10-16-14	0.1	41.4	10.1	48.4	85.3	10.2	64.8	442	132

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Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
CRIDER BROTHERS LIME CO., INC., EMINENCE, MO										
Stockpile #1										
Lab #0556	08-04-14	1.3	55.9	11.8	31.0	103.3	11.2	52.1	430	117
Lab #0728	09-02-14	3.0	52.3	10.9	33.8	90.4	9.3	53.4	386	99
Lab #0981	10-23-14	1.9	45.7	13.6	38.8	89.3	9.2	58.4	417	107
Lab #1139	11-19-14	1.3	49.2	12.7	36.8	95.4	11.6	56.7	433	132
Lab #1207	12-04-14	1.4	47.6	13.5	37.5	96.9	11.2	57.5	446	129
D & D SUPPLY LLC, LONE JACK, MO										
DOSS & HARPER STONE CO., HOUSTON, MO										
DOSS & HARPER STONE CO, WEST PLAINS, MO										
Stockpile #1										
Lab #1192	12-02-14	0.3	54.9	9.1	35.7	85.6	10.3	54.9	376	113
Lab #1193	12-03-14	0.5	56.0	8.8	34.7	86.0	10.6	54.0	371	114
DOUBLE EAGLE AGGREGATES, MILLER, MO										
Stockpile #2										
Lab #0770	09-11-14	0.4	59.2	9.0	31.4	88.9	10.5	51.6	367	108
Lab #0932	10-15-14	0.5	49.6	8.2	41.7	89.6	10.6	59.0	423	125
DOUBLE EAGLE AGGREGATES CO., INC, MILLER, MO										
Stockpile #1										
Lab #0737	09-04-14	0.1	40.0	8.9	51.0	86.8	10.3	66.3	461	137
Lab #1048	11-05-14	0.5	48.0	9.6	41.9	90.4	7.5	59.7	431	89
E & S ROCK, LLC, HOLDEN, MO										
Stockpile #1										
Lab #1274	12-23-14	3.4	60.7	10.3	25.6	82.9	1.3	47.0	311	12
Stockpile #2										
Lab #1101	11-14-14	2.3	49.4	9.1	39.2	74.5	2.2	57.0	340	25
Lab #1275	12-23-14	1.9	47.7	9.1	41.3	74.3	2.1	58.7	349	25
FISCHER QUARRY & HAULING, LLC, ST. MARY, MO										
Stockpile #1										
Lab #0698	08-28-14	2.3	50.5	13.2	34.0	95.8	0.2	54.5	418	2
Lab #1002	10-29-14	5.9	45.7	15.3	33.1	97.3	0.1	53.7	418	1
GABEL STONE COMPANY, INC, WILLOW SPRINGS, MO										
GABEL STONE COMPANY INC., WILLOW SPRINGS, MO										
Stockpile #1										
Lab #0733	09-04-14	4.5	48.5	12.2	34.8	92.3	11.1	54.2	401	120
Lab #0847	09-24-14	2.7	47.4	12.5	37.4	92.5	10.7	56.8	420	121
Lab #0960	10-22-14	1.4	44.4	14.5	39.7	91.9	11.0	59.5	437	131
Stockpile #2										
Lab #0734	09-04-14	3.4	47.2	12.9	36.5	88.4	10.9	56.0	396	122
Lab #0848	09-24-14	3.5	49.9	12.3	34.3	89.3	10.5	54.2	387	114
Lab #0961	10-22-14	0.4	40.6	15.8	43.2	89.5	11.1	62.8	450	139
Lab #1194	12-03-14	0.4	46.8	16.6	36.2	90.4	11.0	57.9	418	127
HEARTLAND MATERIALS LLC, JACKSON, MO										
Stockpile #1										
Lab #0562	08-06-14	0.4	35.6	16.9	47.1	97.1	1.6	66.1	514	21
Lab #0760	09-08-14	0.2	33.5	17.1	49.2	95.4	1.9	67.8	518	26
Lab #0949	10-15-14	0.5	37.4	16.6	45.5	95.7	1.3	64.8	496	17
Lab #1093	11-11-14	0.1	37.7	15.8	46.4	97.2	2.0	65.3	508	26
HIGGINS QUARRY, LLC, LOOSE CREEK, MO										
Stockpile #2										
Lab #0576	08-05-14	1.3	48.7	10.1	39.9	89.3	10.5	58.1	415	122
Lab #0976	10-20-14	1.8	49.2	10.1	38.9	89.0	10.7	57.3	408	123
Lab #1043	11-05-14	2.2	47.7	9.2	40.9	86.0	10.6	58.3	401	124
Lab #1141	11-17-14	0.9	50.5	10.6	38.0	93.0	11.6	57.0	424	132
HOSTETLER QUARRY, LLC, BUFFALO, MO										
Stockpile #1										
Lab #0584	08-06-14	8.2	43.8	7.3	40.7	84.1	9.8	56.0	377	110
Lab #1201	12-02-14	2.1	44.5	9.9	43.5	78.3	9.3	60.6	379	113
HORN QUARRY, LLC, BRECKENRIDGE, MO										
HOUSE SPRINGS QUARRY, HOUSE SPRINGS, MO										
Stockpile #1										
Lab #0689	08-26-14	3.7	39.8	6.9	49.6	96.3	5.1	63.7	491	65
Lab #0901	10-06-14	4.8	39.1	6.5	49.6	95.1	4.3	63.3	481	54
Lab #1010	10-30-14	5.0	42.2	6.6	46.2	93.8	4.0	60.7	456	49
Lab #1237	12-10-14	5.6	44.2	7.1	43.1	91.4	3.6	58.4	427	42
HUNTER STONE CO, ELLSINORE, MO										
Stockpile #1										
Lab #0557	08-04-14	0.3	49.7	12.2	37.8	100.3	11.8	57.5	462	136
Lab #0718	09-02-14	0.1	50.0	12.4	37.5	98.4	12.2	57.4	452	140
Lab #0982	10-23-14	0.0	51.3	12.4	36.3	97.7	11.9	56.6	442	135

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
HUNTER STONE CO, ELLSINORE, MO (continued)										
Stockpile #1										
Lab #1138	11-19-14	0.2	47.7	14.0	38.1	96.5	11.8	58.4	451	138
HUTCHENS CONSTRUCTION-PURDY, CASSVILLE, MO										
HUTCHENS CONSTRUCTION-EAGLE ROCK, CASSVILLE, MO										
Stockpile #2										
Lab #0658	08-22-14	3.8	48.6	8.3	39.3	89.1	10.6	56.4	402	120
Lab #1116	11-14-14	3.6	48.4	8.2	39.8	89.7	11.2	56.8	408	127
HUTCHENS CONSTRUCTION CO-SHELL KNOB, CASSVILLE, MO										
Stockpile #1										
Lab #0659	08-22-14	1.0	45.7	10.2	43.1	88.9	10.4	60.6	431	126
Lab #1117	11-14-14	1.5	46.8	8.8	42.9	86.6	10.9	59.9	415	131
HUTCHENS CONSTRUCTION-WASHBURN, CASSVILLE, MO										
IDEKER INC, EXCELSIOR SPRINGS, MO										
Stockpile #1										
Lab #0782	09-19-14	0.3	54.1	12.5	33.1	89.8	0.3	54.1	389	3
Lab #0838	09-22-14	0.4	51.9	12.4	35.3	90.4	0.4	55.7	403	4
Lab #0843	09-26-14	0.4	53.7	12.5	33.4	90.8	0.3	54.3	395	3
Lab #0936	10-16-14	1.0	62.8	8.7	27.5	88.1	0.6	48.4	341	6
Lab #1052	11-03-14	0.1	48.1	14.1	37.7	88.4	0.5	58.2	411	6
Lab #1270	12-16-14	0.1	44.8	14.8	40.3	88.2	0.7	60.4	426	8
ILC RESOURCES, URBANDALE, IA										
JASPER STONE LLC, JASPER, MO										
Stockpile #1										
Lab #0601	08-11-14	0.2	36.8	17.2	45.8	97.6	0.1	65.3	510	1
Lab #0768	09-10-14	0.9	46.6	18.0	34.5	97.2	0.1	57.0	443	1
Lab #0785	09-16-14	0.1	40.1	16.4	43.4	97.3	0.1	63.3	492	1
Lab #0881	10-02-14	0.1	39.8	16.1	44.0	97.3	0.1	63.6	495	1
Stockpile #2										
Lab #0769	09-10-14	0.0	0.6	4.1	95.3	96.7	0.1	97.9	757	2
Lab #0784	09-16-14	0.0	0.6	3.0	96.4	96.9	0.1	98.4	762	2
Lab #0880	10-02-14	0.0	0.7	5.4	93.9	96.0	0.1	97.3	747	2
JENKINS QUARRY, CASSVILLE, MO										
JIMMY SANDERS, INC, LEACHVILLE, AR										
JOPLIN STONE CO Q DUENWEG, JOPLIN, MO										
Stockpile #2										
Lab #0655	08-20-14	3.6	40.0	13.4	43.0	95.0	0.1	61.0	464	1
Lab #0791	09-18-14	1.2	37.0	15.5	46.3	95.0	0.2	64.9	493	3
Lab #0931	10-14-14	0.4	37.1	13.3	49.2	93.1	0.1	66.5	495	1
LEO JOURNAGAN CONSTRUCTION CO, INC, SPRINGFIELD, MO										
Stockpile #1										
Lab #0602	08-13-14	1.5	51.1	13.3	34.1	96.2	0.2	54.9	422	2
Lab #0913	10-09-14	1.6	49.6	13.5	35.3	96.1	0.3	55.8	429	3
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Stockpile #2										
Lab #0645	08-21-14	0.0	1.2	1.7	97.1	84.7	2.2	98.4	667	43
Lab #0822	09-19-14	0.2	1.4	1.5	96.9	82.8	2.3	98.2	650	45
Lab #0955	10-16-14	0.0	1.1	1.4	97.5	84.2	2.3	98.7	665	45
Lab #1131	11-14-14	0.0	2.0	1.7	96.3	85.1	2.3	97.8	666	45
Lab #1281	12-11-14	0.0	0.9	1.2	97.9	85.1	2.3	99.0	673	45
Stockpile #3										
Lab #0646	08-21-14	0.1	25.5	13.6	60.8	91.3	0.9	75.3	550	14
Lab #0823	09-19-14	0.2	27.6	11.8	60.4	91.5	0.9	74.4	544	13
Lab #0956	10-16-14	0.3	28.0	11.5	60.2	91.9	1.0	74.1	545	15
Lab #1132	11-14-14	0.2	28.3	11.8	59.7	91.4	0.9	73.9	540	13
Lab #1280	12-11-14	0.4	26.5	11.0	62.1	90.4	1.4	75.0	545	21
KEMP STONE, INC, PRYOR, OK										
Stockpile #1										
Lab #0930	10-14-14	1.5	18.6	18.9	61.0	74.8	0.1	77.0	461	2
Lab #1050	11-07-14	0.8	48.2	10.1	40.9	69.2	0.1	59.0	327	1
Lab #1154	11-20-14	0.7	46.0	13.6	39.7	82.1	0.1	59.4	390	1
KERFORD LIMESTONE CO, WEEPING WATER, NE										
Stockpile #1										
Lab #0595	08-11-14	0.1	0.3	0.2	99.4	93.9	0.4	99.6	748	8
Lab #0933	10-14-14	0.0	0.3	0.2	99.5	91.7	0.5	99.7	731	10
KING QUARRY, THAYER, MO										
Stockpile #1										
Lab #0717	09-02-14	0.0	48.4	9.6	42.0	89.2	10.9	59.9	427	130
Lab #0834	09-23-14	0.0	49.7	9.8	40.5	89.3	10.6	58.8	420	125
Lab #1054	11-03-14	0.0	62.5	8.7	28.8	87.7	10.3	49.6	348	102

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		+8	-8+40	-40+60	-60				ENM	EMg
KNOX COUNTY STONE CO, INC, EDINA, MO										
Stockpile #2										
Lab #0642	08-18-14	4.1	39.8	11.0	45.1	88.6	2.5	61.7	437	31
Lab #0819	09-17-14	0.5	34.1	12.3	53.1	88.7	2.0	69.0	490	28
Lab #0953	10-16-14	1.0	34.6	12.9	51.5	89.1	1.8	67.9	484	24
Lab #1128	11-12-14	6.0	44.8	12.1	37.1	86.5	2.0	55.6	384	22
Lab #1222	12-09-14	4.3	47.0	14.1	34.6	86.0	2.7	54.8	377	30
L & W QUARRIES, INC - CLARKDALE #8, CENTERVILLE, IA										
Stockpile #1										
Lab #0563	08-04-14	3.5	43.9	8.3	44.3	64.9*	0.3	60.3	0	0
Lab #0673	08-21-14	3.8	42.3	8.1	45.8	68.8	0.3	61.2	337	4
Lab #0942	10-13-14	6.2	46.6	9.4	37.8	71.5	0.5	55.1	315	6
Lab #1166	11-24-14	4.6	48.5	9.0	37.9	71.0	0.3	55.4	315	3
L & W QUARRIES, INC - WALNUT CITY, CENTERVILLE, IA										
Stockpile #1										
Lab #0564	08-04-14	3.1	53.5	10.7	32.7	89.1	0.3	52.5	374	3
Lab #0569	08-05-14	3.7	51.6	10.7	34.0	87.8	0.3	53.3	375	3
Lab #0672	08-21-14	3.9	53.1	9.5	33.5	85.3	0.3	52.5	358	3
Lab #0943	10-13-14	3.2	55.9	10.3	30.6	88.8	0.2	50.8	361	2
Lab #1165	11-24-14	4.0	56.0	9.5	30.5	87.7	0.3	50.2	352	3
L & W QUARRIES INC., CENTERVILLE, IA										
Stockpile #1										
Lab #0820	09-18-14	6.1	48.1	9.4	36.4	82.0	0.4	54.1	355	4
Lab #0928	10-09-14	6.8	49.1	10.1	34.0	90.3	0.5	52.3	378	5
Lab #1129	11-13-14	6.0	47.6	10.6	35.8	90.0	0.2	54.1	389	2
Lab #1223	12-10-14	6.6	48.4	9.8	35.2	90.3	0.2	53.2	384	2
LAFARGE WEST INC.-PERRYVILLE, PERRYVILLE, MO										
Stockpile #2										
Lab #0697	08-28-14	0.6	66.9	9.4	23.1	93.2	1.7	45.5	339	15
LILE QUARRY INC., STRAFFORD, MO										
Stockpile #2										
Lab #0586	08-06-14	0.2	48.5	10.1	41.2	77.9	10.2	59.4	370	121
Lab #0851	09-25-14	1.1	50.8	9.0	39.1	85.1	10.1	57.2	389	116
Lab #1113	11-11-14	0.0	49.7	10.4	39.9	86.0	10.6	58.6	403	124
Lab #1224	12-08-14	0.0	49.8	9.8	40.4	84.0	10.1	58.7	395	119
MAGRUDER LIMESTONE CO-ASHLEY, TROY, MO										
Stockpile #1										
Lab #0633	08-15-14	0.6	46.0	8.5	44.9	81.7	2.9	61.5	402	36
Lab #0816	09-15-14	0.2	44.8	8.5	46.5	81.3	2.6	62.8	408	33
Lab #0924	10-02-14	0.4	48.4	8.2	43.0	81.6	2.4	60.0	392	29
Lab #1065	11-03-14	0.3	47.1	9.0	43.6	81.7	2.4	60.8	397	29
Lab #1218	12-02-14	0.2	49.3	7.9	42.6	81.0	2.5	59.7	387	30
Stockpile #2										
Lab #0641	08-15-14	0.5	42.7	12.5	44.3	74.8	1.6	62.5	374	20
Lab #0815	09-15-14	0.4	44.8	12.9	41.9	82.9	1.5	60.8	403	18
Lab #0923	10-02-14	0.6	47.1	11.0	41.3	85.5	1.4	59.7	408	17
Lab #1064	11-03-14	0.2	47.7	11.0	41.1	83.7	2.3	59.6	399	27
Lab #1219	12-02-14	0.1	47.1	11.9	40.9	85.0	2.5	59.8	407	30
MAGRUDER LIMESTONE CO, INC.-BOWLING, BOWLING GREEN, MO										
MAGRUDER LIMESTONE - FOLEY QUARRY, TROY, MO										
Stockpile #1										
Lab #0553	08-06-14	7.6	55.6	8.3	28.5	93.9	2.9	47.4	356	27
Lab #0759	08-28-14	10.7*	57.9	7.8	23.6	94.5	2.5	42.8	0	0
Lab #1062	11-04-14	13.0*	55.6	8.2	23.2	93.5	2.7	42.0	0	0
MAGRUDER LIMESTONE CO-FRANKFORD, TROY, MO										
Stockpile #1										
Lab #0555	08-06-14	3.9	44.6	11.3	40.2	97.2	1.5	58.1	452	17
Lab #0756	08-28-14	3.7	43.0	11.7	41.6	96.1	1.6	59.4	456	19
Lab #0872	09-29-14	4.3	44.1	12.8	38.8	96.1	1.6	57.5	442	18
Lab #1027	10-28-14	4.6	43.9	11.0	40.5	95.4	1.4	58.1	443	16
Lab #1163	11-21-14	3.7	45.6	11.7	39.0	95.5	1.3	57.4	439	15
MAGRUDER LIMESTONE CO. - SHELBY, TROY, MO										
Stockpile #1										
Lab #0543	08-01-14	0.1	43.9	15.6	40.4	73.0	0.2	60.7	355	2
Lab #0811	09-09-14	1.3	50.9	14.3	33.5	80.4	0.3	54.8	353	3
Lab #0929	10-10-14	0.4	46.9	15.7	37.0	85.9	0.3	58.1	400	3
Lab #1162	11-19-14	0.3	50.8	15.0	33.9	84.9	0.3	55.6	378	3
MAGRUDER LIMESTONE - SILEX QUARRY, TROY, MO										
Stockpile #2										
Lab #0630	08-14-14	2.8	46.1	7.4	43.7	93.2	3.3	59.7	445	39

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		+8	-8+40	-40+60	-60				ENM	EMg
MAGRUDER LIMESTONE - SILEX QUARRY, TROY, MO (continued)										
Stockpile #2										
Lab #0754	08-27-14	2.5	44.1	8.9	44.5	93.3	3.4	60.9	454	41
Lab #0921	10-01-14	3.3	44.3	8.4	44.0	92.1	3.6	60.1	443	43
Lab #1030	10-31-14	3.0	43.6	7.5	45.9	90.6	3.0	61.3	444	37
Lab #1216	12-01-14	3.6	44.4	7.7	44.3	90.9	3.1	60.0	436	37
MAGRUDER LIMESTONE CO Q TROY, TROY, MO										
Stockpile #1										
Lab #0631	08-14-14	2.8	44.9	10.4	41.9	95.7	2.5	59.4	454	30
Lab #0755	08-27-14	3.3	45.7	10.9	40.1	95.2	2.2	58.1	442	26
Lab #0922	10-01-14	3.2	45.7	11.0	40.1	94.5	2.3	58.1	439	27
Lab #1031	10-31-14	5.4	46.3	10.1	38.2	96.2	2.2	55.8	430	25
Lab #1217	12-01-14	4.9	45.8	10.1	39.2	96.3	2.2	56.7	437	25
MANSFIELD LIME & STONE, MANSFIELD, MO										
Stockpile #2										
Lab #0709	08-28-14	0.1	47.7	10.5	41.7	85.6	10.4	59.9	410	125
Lab #0736	09-04-14	0.0	47.6	10.4	42.0	82.9	10.1	60.1	399	121
Lab #0850	09-24-14	0.0	47.9	11.1	41.0	84.4	9.9	59.6	403	118
Lab #0912	10-08-14	0.0	51.3	9.5	39.2	88.4	10.5	57.7	408	121
Lab #0963	10-22-14	0.0	51.0	10.4	38.6	84.1	10.7	57.6	387	123
Lab #1195	12-03-14	0.0	53.5	10.4	36.1	83.6	10.3	55.7	373	115
MARTIN MARIETTA MATERIALS OF K.C., PARKVILLE, MO										
MARTIN MARIETTA MATERIALS OF K.C., KANSAS CITY, MO										
Stockpile #2										
Lab #0677	08-19-14	0.1	29.5	15.8	54.6	89.8	0.9	71.5	513	13
Lab #0774	09-16-14	0.1	29.9	15.6	54.4	89.2	0.6	71.2	508	9
Lab #1121	11-12-14	0.1	27.3	15.6	57.0	89.1	0.7	73.2	522	10
Lab #1263	12-08-14	0.1	26.3	16.5	57.1	88.6	0.8	73.6	521	12
MARTIN MARIETTA MATERIALS OF K.C., RANDOLPH, MO										
Stockpile #1										
Lab #1102	11-14-14	8.5	55.5	8.8	27.2	90.9	0.5	46.4	337	5
Lab #1268	12-22-14	8.3	57.1	8.3	26.3	90.7	0.5	45.6	331	5
MERTENS CONST CO-AUXVASSE, KINGDOM CITY, MO										
Stockpile #1										
Lab #0547	08-01-14	3.1	51.1	8.6	37.2	87.8	6.6	55.1	387	73
Lab #0813	09-10-14	4.0	50.6	7.8	37.6	86.6	5.1	54.9	381	56
Stockpile #5										
Lab #0546	08-01-14	5.9	57.4	9.2	27.5	96.1	0.4	47.4	364	4
Lab #0814	09-10-14	9.8	60.3	7.7	22.2	95.7	0.4	41.9	321	3
Lab #0926	10-06-14	8.7	60.6	8.1	22.6	95.7	0.4	42.6	326	3
Lab #1058	11-05-14	7.5	59.0	8.2	25.3	96.1	0.4	45.0	346	4
Stockpile #6										
Lab #0548	08-01-14	6.0	51.7	8.3	34.0	90.5	3.5	51.9	376	36
Lab #0812	09-10-14	5.8	51.9	7.8	34.5	89.5	3.2	52.2	373	33
Lab #0927	10-06-14	7.4	53.3	8.1	31.2	92.9	2.3	49.4	367	23
Lab #1059	11-05-14	6.6	56.3	9.4	27.7	93.7	1.9	47.4	355	18
MERTENS CONST. CO-PRESTAGE QUARRY, KINGDOM CITY, MO										
Stockpile #2										
Lab #1092	11-12-14	5.4	40.7	6.7	47.2	73.2	6.9	61.4	360	85
Lab #1278	12-23-14	5.8	39.4	6.3	48.5	73.5	6.8	62.1	365	84
MERTENS CONST CO-Q-REFORM, KINGDOM CITY, MO										
Stockpile #1										
Lab #0614	08-15-14	8.0	53.4	10.1	28.5	90.3	1.4	47.9	346	13
Lab #0890	10-03-14	9.0	57.9	9.2	23.9	88.7	1.4	43.9	311	12
Lab #1044	11-10-14	4.8	50.0	11.2	34.0	89.3	1.2	53.2	380	13
Lab #1229	12-08-14	8.1	54.5	8.7	28.7	88.0	1.6	47.5	335	15
Stockpile #2										
Lab #0611	08-15-14	1.8	39.3	14.0	44.9	84.1	3.5	63.1	425	44
Lab #0889	10-03-14	4.7	42.7	11.6	41.0	84.3	3.6	58.6	395	42
Lab #1045	11-10-14	4.7	46.3	11.0	38.0	85.8	3.9	56.2	386	44
Lab #1230	12-08-14	3.0	39.1	12.4	45.5	82.8	3.7	62.7	415	46
MFA INC, COLUMBIA, MO										
MID-COUNTY MATERIALS, WAYNESVILLE, MO										
MID-MISSOURI LIMESTONE, INC-BIG SPR, KINGDOM CITY, MO										
Stockpile #1										
Lab #0610	08-15-14	9.4	58.8	7.6	24.2	94.2	0.2	43.5	328	2
Lab #0904	10-07-14	8.0	58.5	8.2	25.3	90.8	1.0	44.8	326	9
MID-MISSOURI LIMESTONE INC-MBQ, KINGDOM CITY, MO										
Stockpile #1										
Lab #0727	09-05-14	4.3	51.7	13.6	30.4	90.7	0.2	51.5	374	2

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
MID-MISSOURI LIMESTONE INC-MBQ, KINGDOM CITY, MO (continued)										
Stockpile #1										
Lab #1039	11-10-14	4.2	48.1	13.8	33.9	92.7	1.1	54.2	402	12
MID-MISSOURI LIMESTONE, INC.-HOUSTO, KINGDOM CITY, MO										
Stockpile #1										
Lab #1088	11-12-14	9.0	58.4	6.7	25.9	91.2	2.6	44.5	325	23
Lab #1257	12-12-14	7.7	55.2	7.2	29.9	87.0	3.9	48.0	334	37
MID-MISSOURI LIMESTONE-RIGGS, KINGDOM CITY, MO										
Stockpile #2										
Lab #0544	08-01-14	2.6	53.7	8.4	35.3	88.0	6.1	53.8	379	66
Lab #0751	08-22-14	2.8	53.3	8.3	35.6	87.0	6.3	53.9	375	68
Lab #0825	09-22-14	3.5	54.3	8.5	33.7	86.6	5.6	52.4	363	59
Lab #1063	11-05-14	2.7	54.4	9.3	33.6	88.0	6.2	52.8	372	65
Lab #1220	12-05-14	2.8	53.8	8.2	35.2	87.4	6.7	53.6	375	72
MIDWEST MINERALS, INC - FORT SCOTT, PITTSBURG, KS										
MIDWEST MINERALS INC - JASPER, PITTSBURG, KS										
Stockpile #1										
Lab #0600	08-11-14	0.5	38.2	15.0	46.3	97.3	0.1	64.9	505	1
Lab #0767	09-10-14	0.3	39.0	14.6	46.1	96.2	0.1	64.6	497	1
Lab #0783	09-16-14	0.4	39.5	15.2	44.9	96.0	0.1	63.9	491	1
Lab #0879	10-02-14	0.2	38.3	15.7	45.8	96.0	0.1	64.8	498	1
MISSISSIPPI LIME COMPANY, STE GENEVIEVE, MO										
Stockpile #1										
Lab #0695	08-28-14	0.0	0.2	0.4	99.4	97.6	0.2	99.7	778	4
Lab #1003	10-30-14	0.0	0.1	0.4	99.5	97.4	0.1	99.8	777	2
Stockpile #3										
Lab #0696	08-28-14	0.0	39.1	29.0	31.9	97.4	0.2	59.1	460	2
Lab #1004	10-30-14	0.0	39.9	30.8	29.3	97.5	0.1	57.8	450	1
MK MINERALS INC., WATHENA, KS										
Stockpile #1										
Lab #0678	08-19-14	0.0	0.5	1.8	97.7	88.3	0.6	98.9	699	12
Lab #0775	09-16-14	0.0	0.6	1.9	97.5	88.3	0.5	98.8	698	10
Lab #1118	11-10-14	0.0	0.9	3.6	95.5	86.2	0.6	97.9	675	12
Lab #1272	12-17-14	0.0	1.1	0.8	98.1	86.0	0.6	98.9	680	12
MO VALLEY GRAIN & PELLETIZING, MISSOURI VALLEY, IA										
MORRIS ROCK, DEERFIELD, MO										
MOUNTAIN GROVE QUARRY, MANSFIELD, MO										
Stockpile #1										
Lab #0708	08-28-14	0.2	51.2	9.0	39.6	88.4	10.7	57.8	409	124
Lab #0735	09-04-14	0.2	52.3	8.4	39.1	86.9	10.6	57.2	398	121
Lab #0849	09-24-14	0.1	48.0	9.8	42.1	88.1	10.3	60.0	423	124
Lab #0962	10-22-14	0.1	48.0	9.1	42.8	87.6	10.9	60.3	422	131
NEMO SAND & GRAVEL, QUARRY, PITTSBURG, MO										
Stockpile #1										
Lab #0634	08-12-14	1.1	44.0	7.9	47.0	84.1	9.8	62.7	422	123
Lab #1082	11-05-14	0.9	44.7	8.9	45.5	80.4	9.8	62.0	399	122
NORRIS QUARRIES, LLC-AMAZONIA, AMAZONIA, MO										
NORRIS QUARRIES, LLC-BARNARD, BARNARD, MO										
Stockpile #2										
Lab #0598	08-14-14	2.7	49.4	9.9	38.0	82.4	1.2	56.3	371	14
Lab #0780	09-18-14	1.9	49.4	11.5	37.2	82.9	1.3	56.5	374	15
Lab #1159	11-18-14	2.0	47.5	10.2	40.3	76.4	1.7	58.3	356	20
NORRIS QUARRIES, LLC-BETHANY, BETHANY, MO										
Stockpile #1										
Lab #0624	08-11-14	1.9	49.9	10.8	37.4	70.8	1.7	56.4	319	19
Lab #0794	09-15-14	3.8	44.6	10.4	41.2	69.5	1.6	58.6	326	19
Lab #0948	10-15-14	1.9	52.2	10.2	35.7	83.8	1.3	54.9	368	14
Lab #1112	11-13-14	2.2	54.9	10.1	32.8	79.1	1.1	52.6	333	12
Lab #1179	12-01-14	2.1	53.8	8.9	35.2	78.9	1.0	54.0	341	11
NORRIS QUARRIES, LLC - BREIT, SAVANNAH, MO										
Stockpile #1										
Lab #0679	08-20-14	3.0	51.0	9.3	36.7	81.7	1.4	55.0	360	15
Lab #0840	09-23-14	2.0	51.4	9.7	36.9	81.6	1.5	55.6	363	17
Lab #1157	11-14-14	1.7	50.6	9.3	38.4	77.7	1.5	56.6	352	17
NORRIS QUARRIES, LLC-BLUE MOUND, DAWN, MO										
Stockpile #2										
Lab #0570	08-06-14	2.1	51.2	10.1	36.6	72.5	0.6	55.5	322	7
Lab #0703	08-29-14	3.0	54.3	10.2	32.5	88.1	1.2	52.2	368	13
Lab #0765	09-12-14	0.0	49.0	11.9	39.1	87.0	1.4	58.5	407	16
Lab #0900	10-10-14	2.1	53.1	10.0	34.8	85.4	1.4	54.1	369	15

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		+8	-8+40	-40+60	-60				ENM	EMg
NORRIS QUARRIES, LLC-BLUE MOUND, DAWN, MO (continued)										
Stockpile #2										
Lab #1069	11-06-14	2.0	54.0	9.8	34.2	88.0	1.5	53.6	377	16
Lab #1254	12-10-14	1.9	51.5	12.6	34.0	87.9	0.9	54.4	383	10
NORRIS QUARRIES, LLC-GALLATIN, GALLATIN, MO										
Stockpile #1										
Lab #1168	11-26-14	1.3	37.4	13.3	48.0	64.3*	1.2	65.3	0	0
Lab #1180	12-01-14	7.4	47.3	9.4	35.9	69.3	1.1	53.4	296	12
Lab #1181	12-03-14	3.9	49.3	8.0	38.8	67.0	1.2	55.9	300	13
NORRIS QUARRIES, LLC- GOODEN, RAVENWOOD, MO										
Stockpile #2										
Lab #0842	09-25-14	1.0	43.2	11.4	44.4	80.0	1.8	62.0	397	22
Lab #0878	10-03-14	0.3	46.4	10.8	42.5	79.5	1.8	60.6	385	22
Lab #0934	10-15-14	3.1	47.2	9.4	40.3	78.6	1.7	57.7	363	20
Lab #1158	11-17-14	2.7	48.8	9.1	39.4	79.0	2.0	57.1	361	23
NORRIS QUARRIES, LLC - EAST, HUNTSVILLE, MO										
Stockpile #2										
Lab #0668	08-19-14	4.9	51.0	10.5	33.6	90.9	1.5	52.7	383	16
Lab #0761	09-08-14	5.5	51.6	12.3	30.6	90.9	1.1	50.9	370	11
Lab #0891	09-30-14	4.3	50.6	11.7	33.4	91.0	1.2	53.1	386	13
Lab #0971	10-22-14	3.4	49.4	12.6	34.6	91.1	0.7	54.5	397	8
Lab #1109	11-11-14	3.9	50.0	12.1	34.0	90.2	1.0	53.8	388	11
NORRIS QUARRIES, LLC-JEFFRIES, SAVANNAH, MO										
NORRIS QUARRIES, LLC-MAITLAND, MAITLAND, MO										
Stockpile #1										
Lab #1160	11-18-14	3.8	44.8	8.6	42.8	75.0	0.9	59.2	355	11
Lab #1188	11-25-14	3.5	45.5	9.1	41.9	67.9	1.3	58.7	319	15
Lab #1190	12-01-14	5.8	52.0	9.2	33.0	85.3	0.9	51.5	352	9
Lab #1264	12-10-14	1.9	49.9	11.4	36.8	83.2	1.0	56.1	374	11
Stockpile #3										
Lab #0597	08-14-14	3.9	49.8	11.3	35.0	87.4	0.6	54.2	379	7
Lab #0778	09-18-14	3.6	42.9	10.3	43.2	79.4	0.6	60.1	382	7
NORRIS QUARRIES, LLC-PRINCETON, PRINCETON, MO										
Stockpile #1										
Lab #0991	10-27-14	5.4	49.7	8.3	36.6	79.2	1.6	54.0	342	17
Lab #0993	10-28-14	6.2	50.3	8.9	34.6	81.3	1.5	52.5	342	16
Lab #0997	10-29-14	6.9	51.5	8.4	33.2	81.5	1.4	51.1	333	14
Stockpile #4										
Lab #0567	08-05-14	25.3*	42.4	6.6	25.7	87.1	1.2	40.3	0	0
Stockpile #5										
Lab #0990	10-27-14	1.6	38.4	11.1	48.9	74.0	1.5	65.2	386	20
Lab #0992	10-28-14	1.8	38.3	10.7	49.2	73.6	1.4	65.2	384	18
Lab #0996	10-29-14	2.7	39.2	10.5	47.6	74.5	1.5	63.7	380	19
Lab #1187	12-04-14	5.8	50.4	9.3	34.5	81.0	1.4	52.7	341	15
NORRIS QUARRIES, LLC- TRENTON, TRENTON, MO										
Stockpile #3										
Lab #0566	08-05-14	1.6	57.6	9.1	31.7	88.7	0.9	51.6	366	9
Lab #0724	09-03-14	2.4	53.5	10.1	34.0	90.1	0.8	53.4	385	9
Lab #0853	09-23-14	2.2	52.4	10.7	34.7	89.8	1.0	54.2	390	11
Lab #0899	10-09-14	2.5	52.1	10.2	35.2	89.1	1.0	54.3	387	11
Lab #0988	10-27-14	2.2	53.2	10.5	34.1	89.5	1.1	53.7	384	12
Lab #1074	11-10-14	1.8	52.3	10.5	35.4	87.3	1.1	54.8	383	12
Lab #1182	12-03-14	2.6	54.3	10.0	33.1	88.0	1.0	52.7	371	11
OAKLEY FERTILIZER, INC, NORTH LITTLE ROCK, AR										
OSAGE QUARRIES, INC, KINGDOM CITY, MO										
Stockpile #1										
Lab #1107	11-13-14	5.3	41.8	10.3	42.6	86.4	10.8	59.2	409	128
Lab #1142	11-17-14	3.9	41.3	11.9	42.9	86.8	10.8	60.4	419	130
Lab #1177	11-24-14	3.4	37.2	11.6	47.8	85.4	10.1	64.1	438	129
PELLETIZING COMPANY INC, GORDONSVILLE, TN										
PHENIX ROCK, ASH GROVE, MO										
Stockpile #1										
Lab #0959	10-20-14	27.5*	37.4	8.9	26.2	92.2	0.1	40.9	0	0
PRAIRIE CREEK TERMINAL SERVICES INC, ELWOOD, IL										
RAY COUNTY STONE, RAYVILLE, MO										
RAY COUNTY STONE-EE QUARRY, RICHMOND, MO										
Stockpile #2										
Lab #1176	11-25-14	11.1*	44.8	8.5	35.6	70.9	0.9	51.9	0	0

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		+8	-8+40	-40+60	-60				ENM	EMg
SCAGGS ROCK-N-LIME, INC., PATTERSON, MO										
Stockpile #3										
Lab #0558	08-05-14	5.1	15.8	23.4	55.7	99.2	11.8	73.7	585	174
Lab #0719	09-03-14	2.5	18.3	33.5	45.7	98.3	12.2	70.4	553	172
Lab #0876	10-01-14	2.8	17.0	32.0	48.2	99.7	12.2	71.7	571	175
Lab #1056	11-05-14	4.8	17.5	31.9	45.8	97.9	11.8	69.3	543	164
Lab #1204	12-02-14	5.3	17.2	31.4	46.1	97.9	11.7	69.2	542	162
Stockpile #4										
Lab #0559	08-05-14	13.2*	15.3	26.1	45.4	97.4	11.7	64.9	0	0
SCHILDBERG CONST. CO.-DECATUR, GREENFIELD, IA										
Stockpile #2										
Lab #0841	09-25-14	4.9	42.1	8.3	44.7	65.5	1.9	60.2	315	23
Lab #0895	10-06-14	3.9	46.3	8.7	41.1	62.2*	1.8	57.9	0	0
Lab #0896	10-10-14	6.9	51.4	7.8	33.9	72.1	1.5	51.4	297	15
Lab #1053	11-03-14	3.5	46.3	9.4	40.8	69.2	1.6	58.0	321	19
Lab #1122	11-13-14	3.2	42.3	8.3	46.2	64.6*	1.8	61.8	0	0
Lab #1191	12-02-14	6.1	46.6	8.0	39.3	68.2	1.6	55.8	304	18
SCHILDBERG CONST. CO.-GRAHAM MO Q, GREENFIELD, IA										
Stockpile #4										
Lab #0596	08-14-14	0.9	48.9	14.0	36.2	89.2	0.5	56.8	406	6
Lab #0779	09-18-14	4.9	53.0	9.9	32.2	87.9	0.5	51.4	361	5
Lab #1119	11-11-14	7.3	53.5	10.1	29.1	88.5	0.5	48.5	344	5
Lab #1265	12-10-14	5.8	52.5	9.8	31.9	87.5	0.5	50.9	356	5
SCHILDBERG CONST. CO.-SHAMBAUGH Q, GREENFIELD, IA										
Stockpile #1										
Lab #0675	08-18-14	0.2	44.9	12.3	42.6	84.9	1.3	61.2	416	16
Lab #0776	09-17-14	0.8	45.1	12.1	42.0	85.6	1.2	60.5	415	15
Lab #1051	10-20-14	3.2	48.5	12.5	35.8	86.3	1.1	55.4	383	12
Lab #1152	11-21-14	1.1	44.7	12.5	41.7	84.8	1.3	60.4	410	16
Lab #1267	12-12-14	1.4	50.0	12.0	36.6	87.7	1.0	56.3	395	11
SCHILDBERG CONST. CO.-WATTERSON, GREENFIELD, IA										
SEMINOLE AG-LIME, SCOTT CITY, MO										
Stockpile #1										
Lab #0722	09-04-14	0.3	53.0	12.5	34.2	88.5	3.0	55.0	389	33
Lab #0807	09-17-14	0.2	58.5	11.5	29.8	92.9	2.3	51.3	381	24
SHAWNEE STONE - CYPRESS PLANT, CYPRESS, IL										
SHAWNEE STONE - JONESBORO PLANT, ANNA, IL										
Stockpile #2										
Lab #0711	08-28-14	0.4	34.4	13.9	51.3	96.1	0.8	68.2	525	11
Lab #0721	09-03-14	4.1	39.0	10.8	46.1	95.7	0.8	62.3	477	10
Lab #0835	09-24-14	2.9	45.2	12.3	39.6	96.2	0.8	58.3	449	9
Lab #1001	10-28-14	4.5	35.1	11.9	48.5	96.7	0.9	64.4	498	12
Lab #1135	11-18-14	2.9	21.2	10.6	65.3	96.3	0.8	77.0	593	12
Lab #1140	11-20-14	2.0	22.5	12.6	62.9	96.7	0.9	76.1	589	14
SIEGEL GRAVEL & EXCAVATING, VERSAILLES, MO										
Stockpile #1										
Lab #1091	11-12-14	3.3	37.2	12.4	47.1	70.9	8.6	63.8	362	110
Stockpile #2										
Lab #1277	12-23-14	3.3	33.7	16.1	46.9	63.8*	7.6	65.0	0	0
SKYLINE MATERIALS - NEWARK, NEWARK, MO										
Stockpile #3										
Lab #0644	08-21-14	0.4	34.9	7.8	56.9	87.8	3.2	70.3	494	45
Lab #0821	09-19-14	1.7	36.6	9.2	52.5	90.0	1.7	67.2	484	23
Lab #0954	10-16-14	0.4	34.8	7.0	57.8	86.1	3.2	70.7	487	45
Lab #1130	11-14-14	0.4	35.6	8.7	55.3	87.4	3.0	69.4	485	42
Lab #1279	12-11-14	0.2	33.6	7.2	59.0	84.9	3.4	72.0	487	49
SKYLINE MATERIALS-GLASGOW, GLASGOW, MO										
SOUTH CENTRAL COOP, CAINSVILLE, MO										
Stockpile #1										
Lab #0762	09-10-14	0.1	0.3	0.9	98.7	91.8	0.1	99.3	729	2
Lab #0945	10-14-14	0.0	0.4	1.0	98.6	91.7	0.1	99.3	728	2
Lab #1111	11-12-14	0.0	0.2	0.6	99.2	92.0	0.1	99.6	733	2
Lab #0625	08-12-14	0.0	0.3	1.4	98.3	92.2	0.1	99.2	732	2
SMASAL AGGREGATE, LINCOLN, MO										
Stockpile #1										
Lab #0743	09-04-14	1.0	43.9	12.7	42.4	85.1	0.1	61.0	415	1
Lab #1079	11-04-14	1.2	45.8	13.0	40.0	90.0	0.7	59.3	427	8
Lab #1240	12-08-14	2.5	41.4	14.4	41.7	89.4	0.5	60.7	434	6

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		+8	-8+40	-40+60	-60				ENM	EMg
SPRINGFIELD AGGREGATE SUPPLY, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0710	08-29-14	0.4	0.6	1.4	97.6	94.3	0.5	98.6	744	10
Lab #1226	12-09-14	2.7	1.2	1.5	94.6	93.5	0.4	95.8	717	8
SPRINGFIELD UNDERGROUND, INC., SPRINGFIELD, MO										
Stockpile #2										
Lab #0605	08-14-14	0.5	9.7	10.4	79.4	97.6	0.1	88.1	688	2
Lab #0845	09-23-14	0.7	8.3	10.6	80.4	97.1	0.1	88.8	690	2
Lab #1171	11-25-14	1.3	9.8	10.1	78.8	96.6	0.2	87.3	675	3
Stockpile #3										
Lab #1049	11-06-14	19.2*	40.4	10.3	30.1	96.8	0.2	46.4	0	0
S-S-S INC, LOUISIANA, MO										
Stockpile #1										
Lab #0632	08-15-14	0.9	42.3	12.7	44.1	93.1	0.7	62.3	464	9
Lab #0757	08-28-14	2.5	43.0	12.0	42.5	92.3	0.9	60.5	446	11
Lab #0873	09-29-14	5.0	44.0	10.9	40.1	94.9	0.6	57.6	438	7
Lab #1061	11-04-14	12.1*	45.4	8.5	34.0	91.7	0.1	50.5	0	0
Lab #1212	11-24-14	6.2	44.4	11.2	38.2	92.5	0.7	56.0	415	8
STOCKMAN QUARRY, LLC, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0541	08-01-14	15.4*	40.1	7.3	37.2	87.8	10.3	51.6	0	0
Lab #0662	08-19-14	0.2	34.0	10.3	55.5	83.4	9.6	70.2	468	135
Lab #0772	09-12-14	1.7	31.3	12.3	54.7	84.8	10.1	69.9	474	141
STRACK STONE, CAPE GIRARDEAU, MO										
Stockpile #3										
Lab #0561	08-06-14	0.4	26.1	13.7	59.8	87.5	1.0	74.5	522	15
STRACK STONE - FRUITLAND, JACKSON, MO										
Stockpile #3										
Lab #0910	10-10-14	0.2	8.1	8.6	83.1	97.7	1.0	90.3	706	18
STRACK STONE CO. - LODI, LLC, CAPE GIRARDEAU, MO										
T&M STONE QUARRY, LLC, WHITEWATER, MO										
Stockpile #2										
Lab #0560	08-06-14	1.6	45.5	8.8	44.1	91.4	10.9	60.8	444	132
Lab #0875	09-29-14	5.7	56.0	7.6	30.7	87.8	10.5	49.3	346	103
TABLE ROCK ASPHALT CONST CO INC, BRANSON, MO										
TABLE ROCK ASPHALT CONST CO INC-KIM, BRANSON, MO										
Stockpile #1										
Lab #0650	08-18-14	1.2	25.3	9.5	64.0	89.6	10.3	76.0	545	157
Lab #0790	09-17-14	1.8	29.2	9.2	59.8	89.3	10.7	72.6	519	155
TAYLOR QUARRIES, LOCKWOOD, MO										
THE ANDERSONS, INC.-SEYMOUR, IN, MAUMEE, OH										
TOWER ROCK STONE CO, SCOTT CITY, MO										
Stockpile #1										
Lab #0950	10-16-14	5.6	46.6	11.1	36.7	93.3	1.2	55.0	411	13
TOWER ROCK STONE CO, STE GENEVIEVE, MO										
Stockpile #1										
Lab #0691	08-28-14	0.1	48.6	14.9	36.4	95.3	1.1	57.5	438	13
Lab #1005	10-30-14	0.2	38.9	13.5	47.4	94.8	0.9	65.2	495	12
Stockpile #2										
Lab #0694	08-28-14	0.9	39.9	12.7	46.5	92.5	7.1	64.1	474	91
Lab #1008	10-30-14	0.2	39.2	14.4	46.2	93.8	3.8	64.6	485	49
Stockpile #3										
Lab #0692	08-28-14	1.4	45.4	16.6	36.6	96.3	0.4	57.9	446	5
Lab #1006	10-30-14	2.4	46.7	14.8	36.1	96.3	0.4	56.7	436	5
Stockpile #5										
Lab #0693	08-28-14	7.1	48.7	9.4	34.8	92.9	2.1	52.6	391	22
Lab #1007	10-30-14	8.2	49.6	10.1	32.1	92.4	1.5	50.6	374	15
TRAGER LIMESTONE-NETTLETON, CHILLICOTHE, MO										
Stockpile #1										
Lab #0571	08-06-14	1.4	53.9	10.8	33.9	79.2	1.1	53.9	341	12
Lab #0802	09-18-14	1.3	53.0	11.4	34.3	74.7	1.3	54.4	325	14
Lab #0892	10-01-14	1.4	50.6	10.9	37.1	78.7	1.0	56.3	354	11
Lab #1067	11-04-14	0.4	51.8	10.7	37.1	85.7	0.6	56.5	387	7
TRAGER LIMESTONE LLC-GALLATIN, CHILLOTHIE, MO										
Stockpile #1										
Lab #0618	08-18-14	0.1	48.3	11.0	40.6	73.8	1.0	59.3	350	12
Lab #0723	09-02-14	0.0	51.7	9.8	38.5	74.5	1.0	57.3	342	11
Lab #0938	10-16-14	0.1	50.3	10.7	38.9	72.0	1.0	57.9	333	12
Lab #1066	11-04-14	0.0	56.0	10.3	33.7	81.7	0.6	53.9	352	6

TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
TRI COUNTY WATER AUTHORITY, INDEPENDENCE, MO										
Stockpile #1										
Lab #1103	11-14-14	0.0	2.2	1.4	96.4	87.7	1.6	97.8	686	31
Lab #1269	12-22-14	0.4	1.3	1.1	97.2	82.5	1.5	98.2	648	29
Lab #1276	12-23-14	0.1	1.7	0.8	97.4	72.4	1.2	98.3	569	24
UNITED SUPPLIERS, ELDORA, IA										
WADE AG PRODUCTS-MAIN OFC, LACYGNE, KS										
Stockpile #2										
Lab #0870	09-23-14	3.4	50.4	8.4	37.8	72.0	1.0	55.4	319	11
Lab #1123	11-10-14	4.6	48.5	9.7	37.2	80.1	0.6	55.1	353	7
WADE AG PRODUCTS Q DREXEL, LACYGNE, KS										
WASHINGTON COUNTY AGGREGATES, INC., POTOSI, MO										
Stockpile #1										
Lab #0684	08-28-14	1.0	44.3	12.7	42.0	95.6	11.5	60.7	464	140
Lab #0833	09-24-14	0.8	43.4	13.0	42.8	95.5	11.4	61.5	469	140
Lab #1036	11-06-14	1.0	44.2	13.9	40.9	95.9	11.6	60.3	463	140
FRED WEBER INC.-AUBURN QUARRY, MARYLAND HEIGHTS, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Stockpile #1										
Lab #0752	08-25-14	1.8	22.6	10.8	64.8	88.7	1.8	76.9	546	28
Lab #1019	10-17-14	2.0	27.2	9.7	61.1	87.5	1.8	73.7	516	27
Lab #1060	11-07-14	2.3	24.1	9.9	63.7	88.5	2.9	75.7	536	44
FRED WEBER, INC - FESTUS STONE, FESTUS, MO										
FRED WEBER, INC - FOLEY QUARRY, MARYLAND HEIGHTS, MO										
FRED WEBER, INC.-NEW MELLE STONE, NEW MELLE, MO										
Stockpile #2										
Lab #0660	08-18-14	1.8	8.1	10.2	79.9	93.7	2.5	88.0	660	44
Lab #0888	09-29-14	13.3*	21.2	8.2	57.3	93.3	2.2	67.5	0	0
Lab #0975	10-22-14	2.9	7.6	9.4	80.1	93.8	2.4	87.6	658	42
Lab #1210	12-03-14	0.9	6.8	9.1	83.2	93.9	2.4	90.4	679	43
FRED WEBER INC-NORTH QUARRY, MARYLAND HEIGHTS, MO										
Stockpile #1										
Lab #0712	09-02-14	0.7	17.8	15.0	66.5	88.5	3.5	80.0	566	56
Lab #0828	09-22-14	0.0	0.6	1.2	98.2	92.6	3.2	99.1	734	63
Lab #1233	12-10-14	0.3	3.7	5.0	91.0	92.5	3.2	94.9	702	61
FRED WEBER, INC. - SOUTH STONE, ST. LOUIS, MO										
Stockpile #1										
Lab #0829	09-22-14	0.2	14.0	13.7	72.1	89.3	2.0	83.8	599	34
Lab #1234	12-10-14	0.2	13.3	14.2	72.3	89.2	2.0	84.1	600	34
WESTSIDE STONE CO, SPRINGFIELD, MO										
Stockpile #1										
Lab #1225	12-09-14	0.1	40.8	17.9	41.2	95.5	0.1	62.1	475	1
Lab #1227	12-10-14	0.0	40.0	17.7	42.3	95.6	0.1	62.9	481	1
WHITE ROCK QUARRIES OF LINCOLN CO, ELSBERRY, MO										
Stockpile #1										
Lab #0554	08-06-14	8.4	49.9	9.8	31.9	91.9	0.5	50.3	369	5
Lab #0758	08-28-14	8.8	51.7	9.8	29.7	92.2	0.3	48.5	358	3
WIELAND HAULING INC.- JEFFRIES, BETHANY, MO										
Stockpile #2										
Lab #0797	09-17-14	11.0*	51.4	8.0	29.6	86.6	0.6	47.3	0	0
Lab #0852	09-23-14	8.7	49.8	8.9	32.6	88.4	0.9	50.4	356	9
Lab #0854	09-24-14	11.4*	50.0	8.1	30.5	91.0	0.7	47.9	0	0
WIELAND HAULING INC.-MERCER, BETHANY, MO										
Stockpile #1										
Lab #0795	09-16-14	8.5	42.4	8.4	40.7	74.3	1.0	56.3	335	11
Lab #0855	09-24-14	7.2	44.9	8.4	39.5	78.3	1.0	55.8	349	11
Lab #0857	09-25-14	6.9	41.1	8.7	43.3	72.4	1.0	58.8	341	12
Lab #0947	10-14-14	9.1	41.4	7.4	42.1	75.7	1.0	56.9	345	11
Lab #0989	10-27-14	5.4	41.4	9.2	44.0	75.0	1.0	59.9	359	12
Lab #1110	11-12-14	6.2	41.9	8.7	43.2	72.0	1.2	58.9	339	14
Lab #1186	12-04-14	6.8	42.5	8.0	42.7	74.1	1.0	58.1	345	12
WILKERSON BROS QUARRY, PARIS, MO										
Stockpile #3										
Lab #0648	08-22-14	1.3	50.2	12.8	35.7	85.2	1.0	55.9	381	11
Lab #0817	09-16-14	0.3	42.2	14.4	43.1	88.5	2.1	62.3	441	26
Lab #0925	10-03-14	1.3	47.5	13.4	37.8	84.4	0.5	57.7	390	6
Lab #1029	10-30-14	1.4	49.6	13.6	35.4	87.0	0.4	56.0	389	4
Lab #1214	11-26-14	1.6	49.1	13.1	36.2	85.2	0.4	56.3	384	5

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2014

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
WILLARD ASPHALT - #18 SLEEPER, LEBANON, MO										
Stockpile #1										
Lab #0885	10-01-14	0.0	0.4	1.3	98.3	83.7	10.2	99.2	664	202
Lab #1248	12-10-14	0.6	1.8	2.5	95.1	84.6	10.1	97.1	657	196
WILLARD ASPHALT PAVING,- #19, LEBANON, MO										
Stockpile #1										
Lab #0616	08-14-14	0.0	0.5	1.2	98.3	85.0	9.8	99.1	674	194
Lab #0919	10-15-14	0.1	0.7	1.2	98.0	85.1	10.3	98.9	673	204
Lab #1208	12-02-14	0.0	0.6	0.8	98.6	85.0	10.1	99.2	675	200
WILLARD QUARRY-SLEEPER, LEBANON, MO										
Stockpile #3										
Lab #0884	10-01-14	0.7	37.0	12.2	50.1	86.2	10.6	66.7	460	141
Lab #1247	12-10-14	0.3	38.5	14.5	46.7	89.8	10.8	65.0	467	140
WILLARD QUARRIES- ST ROBERT, LEBANON, MO										
Stockpile #1										
Lab #0615	08-14-14	0.3	40.8	20.4	38.5	96.5	11.1	60.9	470	135
Lab #0920	10-15-14	0.3	42.2	17.7	39.8	93.7	11.4	61.0	457	139
Lab #1209	12-02-14	0.3	40.2	19.7	39.8	95.7	11.5	61.7	472	142
WILLIAMSVILLE STONE CO, POPLAR BLUFF, MO										
Stockpile #1										
Lab #0638	08-21-14	0.6	38.3	11.9	49.2	91.6	11.0	65.9	483	145
Lab #0720	09-03-14	0.4	36.2	11.8	51.6	93.3	11.8	67.7	506	160
Lab #0877	10-01-14	1.1	37.1	12.9	48.9	93.7	11.5	65.9	494	152
Lab #1055	11-05-14	1.8	33.1	14.4	50.7	94.4	11.3	67.6	511	153

19
TABLE 2

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2014

Dealer and Producer	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
GREEN POINT AG, CATRON, MO										
HEARTLAND MATERIALS LLC, JACKSON, MO										
Lab #0980	10-22-14	0.2	35.1	17.2	47.5	96.0	2.0	66.6	511	27
Lab #1206	12-03-14	0.8	34.4	16.5	48.3	95.5	2.0	66.8	510	27
SCAGGS ROCK-N-LIME, INC., PATTERSON, MO										
Lab #0979	10-22-14	4.3	15.2	23.8	56.7	96.4	11.7	74.8	577	175
Lab #1205	12-03-14	3.6	15.7	26.3	54.4	96.6	11.7	74.1	573	173
AGRI SERVICES OF LEBANON, LEBANON, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0883	10-01-14	0.1	13.5	15.9	70.5	95.3	0.8	83.4	636	13
Lab #1246	12-10-14	0.0	12.6	15.9	71.5	95.9	0.5	84.2	646	8
BEAUFORT FEED STORE, BEAUFORT, MO										
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Lab #0716	09-04-14	0.0	0.1	0.7	99.2	98.8	8.6	99.6	788	171
GFG - BETHANY, BETHANY, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0623	08-11-14	0.0	0.5	2.6	96.9	90.2	0.6	98.6	711	12
Lab #0793	09-15-14	0.0	0.5	2.9	96.6	88.4	0.6	98.5	696	12
Lab #0995	10-29-14	0.0	0.6	2.8	96.6	88.2	0.6	98.4	695	12
CHULA FARMERS COOP, CHULA, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0860	09-29-14	0.0	1.1	3.0	95.9	87.2	0.6	98.0	683	12
Lab #1184	12-03-14	0.0	1.6	3.5	94.9	86.4	0.5	97.4	673	10
DELTA GROWERS ASSN-EAST PRAIRIE, CHARLESTON, MO										
HEARTLAND MATERIALS LLC, JACKSON, MO										
Lab #0640	08-20-14	0.3	37.0	16.0	46.7	97.4	2.0	65.6	511	26
Lab #0837	09-24-14	0.2	35.8	16.1	47.9	97.1	2.0	66.5	517	27
Lab #1094	11-13-14	0.1	32.7	18.6	48.6	95.8	1.7	67.9	521	23
SCAGGS ROCK-N-LIME, INC., PATTERSON, MO										
Lab #0639	08-20-14	4.3	16.3	23.8	55.6	97.0	11.5	74.0	574	170
Lab #0836	09-24-14	4.0	15.7	26.0	54.3	95.6	11.7	73.8	565	173
Lab #1095	11-13-14	4.7	14.2	22.5	58.6	96.2	11.8	75.7	582	179
J. ECKSTEIN ENTERPRISES, BEAUFORT, MO										
LANGE STEGMANN FERTILIZER, ST LOUIS, MO										
Lab #0715	09-04-14	0.1	0.6	0.5	98.8	10.2*	0.7	99.3	0	0
FARMER'S COOP #280, FREEBURG, MO										
FARMER'S COOP #280, FREEBURG, MO										
Lab #0575	08-05-14	0.7	12.8	7.9	78.6	90.0	10.5	86.5	623	182
MFA INC, COLUMBIA, MO										
Lab #1011	10-31-14	1.5	21.4	10.0	67.1	88.5	1.5	78.5	555	24
Lab #1238	12-11-14	1.3	21.4	9.6	67.7	88.7	1.5	78.8	559	24
FARMERS PRODUCERS EXCHANGE-CONWAY, LEBANON, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #1200	12-02-14	0.0	16.7	17.4	65.9	96.1	0.7	80.5	619	11
GAGE'S FERTILIZER & GRAIN INC, BETHANY, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0937	10-15-14	0.0	0.7	2.8	96.5	87.2	0.6	98.4	686	12
GIBSON LIME CO-DEXTER, DEXTER, MO										
SCAGGS ROCK-N-LIME, INC., PATTERSON, MO										
Lab #0805	09-15-14	6.2	16.1	26.4	51.3	97.2	11.4	71.2	553	162
Lab #0977	10-20-14	3.9	11.4	21.9	62.8	96.0	11.7	78.8	605	184
Lab #1136	11-17-14	3.3	15.7	28.8	52.2	98.4	12.0	73.4	578	176
HEARTLAND MATERIALS LLC, JACKSON, MO										
Lab #0806	09-15-14	0.3	36.6	15.0	48.1	92.2	1.3	66.3	489	17
Lab #0978	10-20-14	0.5	33.9	17.1	48.5	96.0	2.0	67.2	516	27
Lab #1137	11-17-14	0.4	36.6	16.2	46.8	95.2	1.8	65.7	500	24
HELENA CHEMICAL COMPANY-HARRIS, NEWTOWN, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0968	10-20-14	0.0	1.2	2.9	95.9	82.6	0.5	97.9	647	10
HELENA CHEMICAL COMPANY-EAST, UNIONVILLE, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0967	10-20-14	0.0	0.8	1.8	97.4	89.8	0.6	98.7	709	12
GFG AGRIPRODUCTS, LLC, TRENTON, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0994	10-28-14	0.0	1.3	2.5	96.2	86.8	0.6	98.0	681	12
Lab #1183	12-03-14	0.0	1.3	2.9	95.8	86.6	0.6	97.9	678	12
KEENEY FERTILIZER, OWENSVILLE, MO										
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Lab #0808	09-16-14	0.1	2.8	2.1	95.0	96.9	6.8	97.0	752	132

20
TABLE 2

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JULY 1 THROUGH DECEMBER 31, 2014

Dealer and Producer	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
JEFFCO FERTILIZER, DESOTO, MO										
LANGE STEGMANN FERTILIZER, ST LOUIS, MO										
Lab #0810	09-18-14	0.6	31.2	13.7	54.5	88.6	1.4	70.5	500	20
LOHMAN PRODUCERS EXCHANGE, LOHMAN, MO										
MFA INC, COLUMBIA, MO										
Lab #1178	11-24-14	4.4	14.2	8.0	73.4	87.9	2.0	81.8	575	33
MFA AGRI SERVICE, KIRKSVILLE, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0669	08-20-14	1.7	21.2	7.8	69.3	85.7	1.8	79.3	544	29
Lab #0970	10-21-14	1.5	22.4	8.6	67.5	85.9	1.9	78.3	538	30
MFA EXCHANGE, META, MO										
HIGGINS QUARRY, LLC, LOOSE CREEK, MO										
Lab #0574	08-05-14	2.8	47.2	10.4	39.6	89.6	10.4	57.6	413	120
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0573	08-05-14	1.9	18.2	8.0	71.9	86.5	1.2	81.3	562	20
MFA AGRI SERVICE, BROOKFIELD, MO										
MFA INC, COLUMBIA, MO										
Lab #0764	09-11-14	3.4	17.4	10.6	68.6	87.5	0.5	79.3	555	8
Lab #0898	10-08-14	1.3	15.2	11.7	71.8	87.2	0.4	82.6	576	7
Lab #1000	10-30-14	1.5	13.8	12.2	72.5	86.7	0.4	83.3	578	7
Lab #1250	12-09-14	1.5	12.9	12.4	73.2	86.6	0.4	83.9	581	7
MFA AGRI SERVICE-WEST, HALE, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0998	10-29-14	4.0	14.7	10.9	70.4	87.7	0.4	80.6	566	6
Lab #1075	11-10-14	2.2	17.0	10.6	70.2	87.8	0.4	80.8	568	6
MFA AGRI SERVICE, JEFFERSON CITY, MO										
MFA INC, COLUMBIA, MO										
Lab #0663	08-19-14	2.9	25.7	11.0	60.4	88.8	2.1	73.4	522	31
Lab #1211	12-04-14	0.6	24.0	9.3	66.1	88.2	1.9	77.7	548	30
MFA AGRI SERVICE, LANCASTER, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0670	08-20-14	1.7	31.1	8.6	58.6	87.8	2.0	71.5	502	29
Lab #0969	10-21-14	0.1	1.2	1.5	97.2	82.3	2.6	98.4	648	51
FARMERS PRODUCE EXCHANGE, LEBANON, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0882	10-01-14	0.0	12.6	17.8	69.6	96.8	0.6	83.4	646	10
Lab #1245	12-10-14	0.6	8.3	9.6	81.5	96.9	0.1	89.3	693	2
MFA AGRI SERVICES, LINEVILLE, IA										
MFA INC, COLUMBIA, MO										
Lab #0568	08-05-14	2.6	19.1	9.9	68.4	87.0	1.6	79.1	551	25
Lab #0763	09-10-14	1.5	16.0	11.9	70.6	87.5	0.4	81.7	572	7
Lab #0946	10-14-14	0.5	19.0	11.2	69.3	87.9	0.4	80.8	568	6
Lab #1185	12-04-14	3.4	15.7	11.4	69.5	87.7	0.4	80.3	563	6
MFA AGRI SERVICE, MACON, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0941	10-17-14	1.7	26.0	9.6	62.7	87.6	1.5	75.0	525	22
MFA AGRI SERVICE, OWENSVILLE, MO										
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Lab #0577	08-06-14	0.1	0.3	1.1	98.5	96.3	6.1	99.2	765	121
Lab #1040	11-03-14	0.0	0.3	1.0	98.7	98.7	7.1	99.4	785	141
MFA INC, COLUMBIA, MO										
Lab #0578	08-06-14	3.7	22.3	9.4	64.6	82.8	1.6	75.8	502	24
Lab #0809	09-16-14	1.0	22.6	10.0	66.4	88.5	1.5	78.1	553	23
Lab #1041	11-03-14	2.6	20.6	10.2	66.6	88.5	1.6	77.9	551	25
MFA AGRI SERVICES, ROLLA, MO										
MFA INC, COLUMBIA, MO										
Lab #0612	08-12-14	1.1	25.0	9.1	64.8	87.0	1.3	76.5	533	20
MFA AGRI SERVICE, ST CLAIR, MO										
MFA INC, COLUMBIA, MO										
Lab #0608	08-11-14	0.0	0.2	0.4	99.4	94.1	0.1	99.7	750	2
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Lab #0590	08-11-14	0.1	0.2	1.4	98.3	95.5	6.1	99.2	758	121
MFA AGRI SERVICE INC,-BULK PLANT, SALEM, MO										
MFA INC, COLUMBIA, MO										
Lab #0665	08-21-14	0.6	21.9	8.5	69.0	87.6	2.1	79.6	558	33
MFA EXCHANGE, SALEM, MO										
CAPITAL QUARRIES INC-ROLLA Q #4, JEFFERSON CITY, MO										
Lab #0666	08-21-14	0.6	15.7	9.1	74.6	88.5	10.4	84.0	595	175
Lab #1231	12-09-14	0.5	16.9	9.2	73.4	86.1	10.3	83.1	573	171

21
TABLE 2

AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2014

Dealer and Producer	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
MFA AGRI SERVICE, TRENTON, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0796	09-16-14	0.0	0.7	2.8	96.5	88.7	0.5	98.4	698	10
Lab #1150	11-19-14	0.0	0.7	2.6	96.7	88.4	0.6	98.4	696	12
MFA AGRI SERVICE, WASHINGTON, MO										
MFA INC, COLUMBIA, MO										
Lab #1104	11-11-14	2.1	24.6	9.9	63.4	89.5	2.5	75.5	541	38
MIDWEST FERTILIZER, METZ, MO										
MK MINERALS, INC., WAMEGO, KS										
Lab #0984	10-22-14	0.0	0.6	1.5	97.9	87.3	0.5	99.0	691	10
LEO O'LAUGHLIN, MACON, MO										
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Lab #0627	08-14-14	0.5	21.5	14.7	63.3	83.0	0.2	77.5	515	3
Lab #0725	09-04-14	0.8	33.6	14.4	51.2	84.1	0.2	68.2	459	3
Lab #0894	10-02-14	0.8	31.8	12.9	54.5	79.8	0.1	70.2	448	1
Lab #1147	11-17-14	0.8	32.9	14.9	51.4	87.3	0.2	68.6	479	3
LEO O'LAUGHLIN INC, MARCELINE, MO										
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Lab #0726	09-04-13	0.7	36.8	14.3	48.2	83.3	0.1	66.0	440	1
Lab #0626	08-14-14	0.6	33.9	15.3	50.2	87.3	0.2	67.9	474	3
Lab #0897	10-08-14	1.4	28.2	13.9	56.5	82.9	0.4	71.9	477	6
Lab #1148	11-17-14	1.3	32.2	14.5	52.0	83.9	0.3	68.8	461	4
REN POTTERFIELD TRUCKING, MONROE CITY, MO										
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Lab #0550	08-06-14	0.4	30.4	14.6	54.6	87.0	0.2	71.0	494	3
Lab #0746	08-29-14	0.6	19.7	14.5	65.2	82.2	0.1	78.8	518	2
Lab #0862	09-25-14	0.6	27.1	13.8	58.5	82.8	0.2	73.6	487	3
Lab #1022	10-20-14	0.6	30.5	13.4	55.5	86.8	0.2	71.2	494	3
Lab #1127	11-11-14	0.8	34.8	13.3	51.1	86.7	0.2	67.8	470	3
RICHLAND PLANT FOODS, RICHLAND, MO										
LANGE STEGMANN FERTILIZER, ST LOUIS, MO										
Lab #0617	08-14-14	3.5	16.6	9.9	70.0	88.5	1.6	80.1	567	26
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0594	08-14-14	0.1	10.8	16.3	72.8	97.5	0.2	85.3	665	3
SCHAEPERKOETTER STORE, MT STERLING, MO										
FRED WEBER INC-NORTH QUARRY, MARYLAND HEIGHTS, MO										
Lab #0908	10-08-14	0.0	1.0	1.8	97.2	93.4	3.8	98.5	736	75
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Lab #0686	08-25-14	0.0	0.2	0.6	99.2	98.7	7.4	99.6	787	147
Lab #0909	10-08-14	0.3	0.4	1.4	97.9	88.3	3.7	98.8	698	73
SKYLINE MATERIALS, LA PLATA, MO										
SKYLINE MATERIALS - NEWARK, NEWARK, MO										
Lab #0702	08-25-14	0.3	35.0	8.6	56.1	87.1	3.2	70.0	488	45
Lab #0893	10-02-14	1.1	40.9	9.6	48.4	90.4	1.4	64.4	466	18
Lab #0628	08-14-14	0.4	34.9	8.7	56.0	89.1	3.0	69.9	499	42
Lab #1149	11-18-14	0.7	41.0	9.6	48.7	89.8	1.8	64.7	465	23
SKYLINE MATERIALS, LA PLATA, MO										
Lab #1249	12-08-14	0.5	36.3	8.8	54.4	89.0	2.8	68.8	490	39
STRAATMANN FEED, LABADIE, MO										
LANGE STEGMANN FERTILIZER, ST LOUIS, MO										
Lab #0902	10-06-14	2.2	28.0	10.3	59.5	87.0	1.5	72.7	506	22
STOCKMAN FEED & FERTILIZER, JEFFERSON CITY, MO										
STOCKMAN FEED & FERTILIZER, JEFFERSON CITY, MO										
Lab #0613	08-12-14	2.0	26.7	9.2	62.1	89.6	1.9	74.3	533	28
STOVER MILLING, STOVER, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Lab #1012	10-27-14	1.6	18.5	10.0	69.9	87.9	1.9	80.5	566	31
THE HITCHING POST, BOURBON, MO										
BUSSEN QUARRIES, INC.-ANTIRE QUARRY, ST LOUIS, MO										
Lab #0905	10-09-14	0.0	1.3	6.2	92.5	98.2	9.1	96.5	758	176
CALCIUM PRODUCTS, INC., AMES, IA										
Lab #0591	08-11-14	0.0	0.1	0.6	99.3	101.1	8.7	99.7	806	173
WHITWORTH AG SPECIALTIES, WORTHINGTON, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0966	10-20-14	0.0	1.0	1.2	97.8	84.6	2.5	98.8	668	49
Lab #1167	11-25-14	0.0	0.8	1.4	97.8	83.7	2.4	98.8	662	47

EXAMPLES OF FINENESS FACTOR CALCULATION, ENM AND EMg**DERIVATION OF FINENESS FACTOR****EXAMPLE**

US Standard Sieve Fractions	Efficiency Index		% Found in sample		Fineness Components
Retained on 8	0	X	4.0	=	0
Pass. 8-Ret. On 40	.25	X	34	=	8.5
Pass. 40-Ret. On 60	.60	X	10	=	6.0
Passing 60	1.00	X	52.0	=	52.0

Sum of fineness components = **FINENESS FACTOR** = 66.5

EFFECTIVE NEUTRALIZING MATERIALS (ENM) (pounds per ton)

$$\text{Formula: ENM} = \frac{\% \text{CCE} \times \text{FINENESS FACTOR (FF)}}{100} \times 800$$

DRY AG LIME

FF % CCE	100	90	80	70	60	50	40
100	800	720	640	560	480	400	320
90	720	648	576	504	432	360	288
80	640	576	512	448	384	320	256
70	560	504	448	392	336	280	224
65*	520	468	416	364	312	260	208

*65% is minimum %CCE allowed for dry ag lime

FLUID AG LIME

80	640	576	512
70	560	504	448
60	480	432	384
50	400	360	320
40	320	288	256
30	240	216	192
20	160	144	128
10	80	72	64

EFFECTIVE MAGNESIUM (EMg) (pounds per ton)

$$\text{Formula: EMg} = \frac{\% \text{Mg} \times \text{FINENESS FACTOR}}{100} \times 2000$$

FINENESS FACTOR

% Mg	100	90	80	70	60	50	40
13	260	234	208	182	156	130	104
11	220	198	176	154	132	110	88
9	180	162	144	126	108	90	72
7	140	126	112	98	84	70	56
5	100	90	80	80	70	60	40
3	60	54	48	42	36	30	24
1	20	18	16	14	12	10	8

**College of Agriculture, Food and Natural Resources
Fertilizer/Ag Lime Program
FY14 Income & Disbursements¹**

	Ag Lime Fees	Fertilizer Fees	Other	Combined
CARRYFORWARD (07/01/13)				
Contingency			(137,700.17)	(137,700.17)
Income Transferred in FY14 for FY13			430,154.67	430,154.67
Other			<u>(203,835.64)</u>	<u>(203,835.64)</u>
Total Carryforward Available			88,618.86	88,618.86
REVENUE				
Tonnage Fees	78,855.78	1,068,262.76	0.00	1,147,118.54
Audits	7.47	3,329.94		3,337.41
Permit Fees	19,400.00	142,700.00		162,100.00
Deficiency Payments	0.00	13,689.39		13,689.39
Late Payment Fees	2,346.69	10,985.61		13,332.30
Total Revenue Available	<u>100,609.94</u>	<u>1,238,967.70</u>	0.00	<u>1,339,577.64</u>
Total Funds Available	<u>100,609.94</u>	<u>1,238,967.70</u>	<u>88,618.86</u>	<u>1,428,196.50</u>
DISBURSEMENTS				
AES Chemical Laboratory				
Analytical Services				339,792.34
Experiment Stations Chem Lab Support ²				68,421.73
Special Equipment Reserve ³				35,000.00
Inspection Services				571,006.26
Annual Research Report				
Research Proposals Funded				
Continuing Proposals				
FY12				144,509.00
FY13				126,193.00
Total Continuing Proposals				270,702.00
New Proposals				
FY14				0.00
Total Disbursements				<u>1,428,196.50</u>
Continuing Research Proposals Funded (Conditional upon submission of satisfactory progress reports)				
CONTINGENCY/FUNDS AVAILABLE				
Contingency Funds Held in Reserve				68,000.00
Contingency Funds Held to fund Continuing Research Proposals				<u>75,274.16</u>
Total Contingency				143,274.16
Total Disbursements/Contingency				<u>1,428,196.50</u>

Footnotes:

¹ Fertilizer/Ag Lime Program Disbursements prepared by Ag Business Services (ABS)

² S&W support to Experiment Station Chem Lab administrative personnel

³ Per June 30, 1998 Fertilizer/Ag Lime Committee meeting minutes, a \$50,000 (later changed to \$35,000) equipment reserve has been made available to T. Mawhinney for equipment upgrades in Analytical Services.

⁴ Held in reserve to fund second and third year of multi-year research proposals.

Agricultural Liming Materials
Control Services
University of Missouri-Columbia
Columbia, MO 65211-8080

Address Service Requested

REPORT CONTENTS

	Page
1. Report information and tonnage summary	2
2. Table 1-Registered Producers and samples	3
3. Table 2-Distributors and samples	19
4. Liming Materials Calculations	22
5. Combined Fertilizer/Ag Lime Disbursements FY14	23

This report also available on the web at:
[HTTP://aes.missouri.edu/pfcs/aglime/index.stm](http://aes.missouri.edu/pfcs/aglime/index.stm)