

**Missouri
Agricultural Liming
Materials Report**

July 1 to December 31, 2010

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, 2010. There were 718 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-three deficient samples are reported, twenty-two for excessive coarseness and one for low CCE. There were seven "stop sale" order's issued against producer stockpiles: all for excessive coarseness, none of the stop sales issued for excessive coarseness have been released at this time.

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	1,029,556	1,272,419*	2,301,975*

* PRELIMINARY ESTIMATE

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

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										
Stockpile #1										
Lab #1075	10-19-10	0.1	47.9	9.6	42.4	86.9	10.6	60.1	418	127
Lab #1329	12-14-10	0.2	45.8	8.3	45.7	86.3	10.0	62.1	429	124
ADRIAN QUARRY LLC, ADRIAN, MO										
ALBY QUARRY, CARLINVILLE, IL										
ALLEN QUARRIES INC, LOCKWOOD, MO										
Stockpile #1										
Lab #1283	11-30-10	1.8	50.0	13.4	34.8	94.7	0.9	55.3	419	10
Stockpile #2										
Lab #1284	11-30-10	0.2	52.2	14.1	33.5	95.9	0.3	55.0	422	3
AMERICAN ROCK, LLC, HOLLISTER, MO										
Stockpile #1										
Lab #1055	10-14-10	0.0	37.8	19.4	42.8	98.5	0.1	63.9	503	1
Lab #1079	10-18-10	0.0	36.9	18.3	44.8	97.9	0.1	65.0	509	1
Lab #1078	10-20-10	0.1	37.4	19.1	43.4	97.7	0.2	64.2	502	3
APAC-MISSOURI, INC - BAGNELL 13, COLUMBIA, MO										
Stockpile #1										
Lab #1044	10-12-10	3.5	41.3	15.0	40.2	91.8	10.7	59.5	437	127
Lab #1342	12-13-10	2.3	39.7	15.6	42.4	90.8	10.5	61.7	448	130
APAC-MISSOURI, INC. - BOONVILLE, COLUMBIA, MO										
Stockpile #1										
Lab #0706	08-12-10	2.5	50.6	13.7	33.2	94.0	0.2	54.1	407	2
Lab #0882	09-15-10	3.0	48.8	13.0	35.2	92.0	0.1	55.2	406	1
Lab #1051	10-11-10	4.3	52.1	14.2	29.4	92.3	0.1	50.9	376	1
Lab #1141	11-02-10	1.8	47.8	13.6	36.8	93.5	0.2	56.9	426	2
Lab #1279	12-01-10	3.2	47.7	16.3	32.8	95.9	0.1	54.5	418	1
APAC-MISSOURI GALLATIN, GALLATIN, MO										
Stockpile #2										
Lab #0753	08-17-10	13.3*	47.6	7.4	31.7	71.0	1.0	48.0	0	0
Lab #0835	09-03-10	9.4	46.6	8.4	35.6	73.0	0.8	52.3	305	8
Stockpile #3										
Lab #0751	08-17-10	12.4*	55.2	7.1	25.3	88.3	0.9	43.4	0	0
Lab #0834	09-03-10	11.1*	54.1	7.2	27.6	88.4	0.8	45.4	0	0
Stockpile #4										
Lab #0833	09-03-10	10.0	49.4	7.7	32.9	69.6	1.1	49.9	278	11
Stockpile #5										
Lab #0752	08-16-10	9.2	50.4	7.6	32.8	68.6	1.4	50.0	274	14
Lab #0757	08-18-10	12.1*	55.6	6.9	25.4	88.4	0.8	43.4	0	0
Lab #0780	08-25-10	11.5*	53.6	7.7	27.2	87.5	0.9	45.2	0	0
Stockpile #6										
Lab #1104	10-26-10	9.0	55.6	7.4	28.0	84.7	0.4	46.3	314	4
Lab #1290	11-29-10	8.6	55.3	7.5	28.6	81.3	0.4	46.9	305	4
APAC-MISSOURI, INC. - LINN CREEK, LINN CREEK, MO										
Stockpile #2										
Lab #1043	10-12-10	2.8	50.3	14.9	32.0	73.1	8.9	53.5	313	95
Lab #1341	12-13-10	3.5	48.4	14.6	33.5	80.9	9.5	54.4	352	103
APAC-MISSOURI, INC. - BUSIEK, COLUMBIA, MO										
APAC-MISSOURI, INC. - MARSHALL, MARSHALL, MO										
Stockpile #5										
Lab #0661	08-05-10	0.6	47.8	9.9	41.7	86.3	3.7	59.6	411	44
Lab #0844	09-07-10	2.4	48.1	11.4	38.1	86.5	2.5	57.0	394	28
Lab #0959	10-01-10	0.9	48.4	9.4	41.3	84.5	3.3	59.0	399	39
Lab #1158	11-05-10	5.3	50.6	9.7	34.4	86.9	1.2	52.9	368	13
Lab #1297	12-07-10	3.5	46.3	12.0	38.2	79.7	1.1	57.0	363	13
APAC-MISSOURI, INC.-MARSHALL (WEST), COLUMBIA, MO										
APAC-MISSOURI, INC - PETTIS QUARRY, COLUMBIA, MO										
APAC-MISSOURI INC. - ROARK CREEK, COLUMBIA, MO										
ARKANSAS LIME COMPANY, INC., BATESVILLE, AR										
Stockpile #1										
Lab #1208	11-08-10	9.3	35.7	14.3	40.7	92.1	0.2	58.2	429	2
MINERALS PROCESSING, MAUMEE, OH										
ASH GROVES AGGREGATES-DEVER, BUTLER, MO										
Stockpile #1										
Lab #0678	08-03-10	2.1	46.6	13.2	38.1	89.2	0.3	57.7	412	3
Lab #0919	09-14-10	2.1	46.1	13.8	38.0	91.2	0.2	57.8	422	2
Lab #1050	10-14-10	2.5	43.6	13.6	40.3	90.2	0.2	59.4	428	2
Lab #1216	11-10-10	2.3	44.0	13.1	40.6	91.2	0.2	59.5	434	2
Lab #1345	12-15-10	1.8	44.9	14.3	39.0	91.9	0.1	58.8	432	1

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
ASH GROVE AGGREGATES-FAIR GROVE, BUTLER, MO										
Stockpile #2										
Lab #0716	08-11-10	2.9	54.7	8.6	33.8	88.0	10.4	52.6	371	109
Lab #1282	11-29-10	4.5	53.5	7.0	35.0	86.8	10.3	52.6	365	108
ASH GROVE AGGREGATES-FAIR PLAY, BUTLER, MO										
Stockpile #1										
Lab #0734	08-09-10	0.4	39.8	17.3	42.5	93.6	0.1	62.8	470	1
Lab #0951	09-20-10	1.8	43.7	14.3	40.2	96.2	0.1	59.7	459	1
Lab #1117	10-27-10	1.4	45.2	14.4	39.0	95.7	0.1	58.9	451	1
Lab #1262	11-29-10	1.5	45.2	14.3	39.0	94.5	0.1	58.9	445	1
ASH GROVE AGGREGATES INC-S&K, BUTLER, MO										
Stockpile #1										
Lab #0805	08-23-10	1.9	56.5	11.7	29.9	82.8	0.3	51.0	338	3
Lab #0990	09-28-10	1.8	53.8	12.8	31.6	78.7	0.3	52.7	332	3
Lab #1118	10-28-10	1.7	57.9	11.8	28.6	84.6	0.3	50.2	339	3
Lab #1237	11-18-10	2.2	55.2	10.6	32.0	84.6	0.3	52.2	353	3
Lab #1346	12-16-10	2.0	58.1	10.1	29.8	79.5	0.4	50.4	320	4
ASH GROVE AGGREGATES INC-LACYGNE, BUTLER, MO										
ASH GROVE AGGREGATES INC-MARSHFIELD, BUTLER, MO										
Stockpile #3										
Lab #1000	09-29-10	0.8	39.0	14.1	46.1	93.7	11.2	64.3	482	144
Lab #1220	11-10-10	0.8	40.6	12.3	46.3	96.1	11.5	63.8	491	147
ASH GROVE AGGREGATES INC-MONTEVALLO, BUTLER, MO										
Stockpile #1										
Lab #0812	08-25-10	0.1	37.4	14.7	47.8	86.3	0.3	66.0	455	4
Lab #0995	09-30-10	0.0	32.9	19.3	47.8	97.7	0.2	67.6	528	3
Lab #1110	10-25-10	0.8	41.5	15.1	42.6	85.9	0.2	62.0	426	2
Lab #1252	11-23-10	0.2	40.5	14.4	44.9	77.7	0.9	63.7	396	11
ASH GROVE AGGREGATES INC-OSCEOLA, BUTLER, MO										
Stockpile #1										
Lab #0737	08-13-10	6.2	45.2	11.2	37.4	91.4	1.6	55.4	405	18
Lab #0918	09-17-10	3.3	47.1	13.8	35.8	91.1	2.0	55.9	407	22
Lab #1101	10-21-10	2.8	49.3	12.0	35.9	90.7	2.2	55.4	402	24
Lab #1321	12-10-10	3.1	52.9	12.0	32.0	91.0	2.4	52.4	382	25
ASH GROVE AGGREGATES, INC-SEAGRAVES, BUTLER, MO										
ASH GROVE AGGREGATES INC.-STOCKTON, BUTLER, MO										
Stockpile #2										
Lab #0811	08-25-10	3.1	46.5	12.9	37.5	95.4	0.1	56.9	434	1
Lab #0994	09-30-10	2.9	46.2	14.1	36.8	95.5	0.1	56.8	434	1
Lab #1108	10-25-10	3.6	48.7	12.9	34.8	94.9	0.2	54.7	415	2
Lab #1253	11-23-10	3.3	50.5	12.8	33.4	94.0	0.4	53.7	404	4
ASH GROVE AGGREGATES INC-WHEATLAND, BUTLER, MO										
Stockpile #1										
Lab #0680	08-06-10	5.7	47.2	10.4	36.7	96.5	0.2	54.7	423	2
Lab #0920	09-15-10	8.1	47.5	10.0	34.4	97.1	0.1	52.3	406	1
Lab #1019	10-07-10	7.3	48.5	11.0	33.2	97.2	0.1	51.9	404	1
Lab #1233	11-17-10	7.8	48.0	10.6	33.6	97.4	0.2	52.0	405	2
Lab #1316	12-08-10	5.8	46.9	11.1	36.2	96.9	0.3	54.6	423	3
ASH GROVE AGGREGATES INC-BOLIVAR, BUTLER, MO										
Stockpile #1										
Lab #0731	08-09-10	1.4	52.8	11.4	34.4	95.2	1.1	54.4	415	12
Lab #0950	09-20-10	1.4	51.6	11.9	35.1	96.2	1.3	55.1	424	14
Lab #1116	10-27-10	1.1	51.2	13.3	34.4	95.3	0.9	55.2	421	10
ASH GROVE AGGREGATES - KIFER, BUTLER, MO										
ASH GROVE AGGREGATES INC-BUFFALO, BUTLER, MO										
Stockpile #1										
Lab #0736	08-12-10	8.5	47.3	8.5	35.7	90.9	10.4	52.6	383	109
Lab #0876	09-07-10	0.1	39.1	13.9	46.9	94.8	11.3	65.0	493	147
Lab #1099	10-19-10	0.2	33.3	13.2	53.3	88.4	10.5	69.5	492	146
Lab #1269	12-02-10	8.6	45.1	9.4	36.9	92.6	11.3	53.8	399	122
BAILEY QUARRIES INC-CHESAPEAKE Q., MT VERNON, MO										
Stockpile #1										
Lab #0714	08-10-10	0.1	32.8	12.4	54.7	82.7	9.7	70.3	465	136
Lab #1080	10-18-10	0.1	27.2	14.0	58.7	88.0	10.4	73.9	520	154
Stockpile #4										
Lab #0715	08-10-10	0.1	31.9	10.8	57.2	91.2	10.6	71.7	523	152
Lab #1074	10-18-10	4.0	40.1	8.1	47.8	92.2	11.2	62.7	462	140

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
BAILEY QUARRIES INC-JANE, REPUBLIC, MO										
Stockpile #2										
Lab #0677	08-04-10	1.8	42.6	10.0	45.6	84.7	10.1	62.3	422	126
Lab #0792	08-27-10	1.7	42.1	9.9	46.3	84.0	10.0	62.8	422	126
Lab #1001	10-01-10	1.4	44.7	11.7	42.2	82.5	10.0	60.4	399	121
Lab #1256	11-22-10	1.2	45.8	10.2	42.8	88.5	10.8	60.4	427	130
BAILEY QUARRIES, INC.-MADRY QUARRY, VERONA, MO										
Stockpile #2										
Lab #0775	08-17-10	3.2	56.0	9.9	30.9	83.5	1.7	50.8	340	17
Lab #1133	10-29-10	3.9	55.0	10.1	31.0	82.2	1.2	50.8	334	12
BAILEY QUARRIES - SARCOXIE, REPUBLIC, MO										
Stockpile #1										
Lab #0712	08-09-10	2.6	49.7	11.4	36.3	85.8	0.1	55.6	381	1
Lab #0875	09-10-10	2.3	51.4	11.6	34.7	83.9	0.1	54.5	366	1
Lab #1323	12-06-10	2.4	50.2	12.8	34.6	85.4	0.1	54.8	375	1
BAILEY QUARRIES INC-STOCKTON, STOCKTON, MO										
Stockpile #1										
Lab #0810	08-25-10	1.8	42.8	14.6	40.8	87.6	0.1	60.3	422	1
Lab #0993	09-30-10	3.6	51.0	12.4	33.0	91.7	0.1	53.2	390	1
Lab #1109	10-25-10	1.5	47.1	14.8	36.6	94.6	0.1	57.3	433	1
Lab #1254	11-23-10	2.3	46.7	14.3	36.7	92.7	0.1	57.0	422	1
BARBER & SONS AGGREGATES, LEE'S SUMMIT, MO										
Stockpile #1										
Lab #0665	08-06-10	5.7	47.4	10.0	36.9	86.3	0.6	54.8	378	7
Lab #0848	09-08-10	7.9	49.7	9.1	33.3	88.6	0.7	51.2	363	7
Lab #0957	09-28-10	3.7	41.5	13.0	41.8	82.2	1.0	60.0	394	12
Lab #1057	10-18-10	7.9	49.1	8.4	34.6	79.0	1.6	51.9	328	17
Lab #1187	11-08-10	9.6	48.9	8.3	33.2	77.4	1.8	50.4	312	18
Lab #1251	11-24-10	10.9*	51.4	7.6	30.1	89.0	0.5	47.5	0	0
BARRETT MATERIALS INC, NEW HAVEN, MO										
Stockpile #1										
Lab #0729	08-11-10	0.5	49.0	7.6	42.9	88.1	10.3	59.7	421	123
Lab #0964	09-29-10	0.0	36.3	9.4	54.3	91.0	10.6	69.0	502	146
Lab #1271	11-29-10	0.2	31.0	9.2	59.6	84.7	10.3	72.9	494	150
BASE ROCK MINERALS, BONNE TERRE, MO										
Stockpile #1										
Lab #1015	10-05-10	0.1	35.2	12.9	51.8	92.1	10.6	68.3	504	145
Lab #1311	12-08-10	1.2	46.8	10.7	41.3	91.9	10.3	59.4	437	122
Stockpile #2										
Lab #1016	10-05-10	0.3	41.0	14.8	43.9	91.5	11.0	63.0	461	139
Lab #1312	12-08-10	0.5	49.2	13.1	37.2	101.0	11.8	57.4	463	135
BELLE PLANT FOODS, BELLE, MO										
Stockpile #1										
Lab #0743	08-17-10	1.0	18.4	18.1	62.5	94.7	0.5	78.0	591	8
Lab #0929	09-22-10	1.5	17.8	16.9	63.8	94.3	1.2	78.4	591	19
Lab #1184	11-01-10	3.5	18.0	13.2	65.3	92.2	3.1	77.7	573	48
BOONE QUARRIES INC - WEST, COLUMBIA, MO										
BOONE QUARRIES INC - NORTH, COLUMBIA, MO										
BOONE QUARRIES - EAST, COLUMBIA, MO										
Stockpile #1										
Lab #0703	08-10-10	0.7	22.5	14.4	62.4	87.5	3.7	76.7	537	57
Lab #0859	09-10-10	0.8	24.5	13.2	61.5	88.4	3.7	75.5	534	56
Lab #0984	10-04-10	0.9	25.9	14.8	58.4	87.6	3.2	73.8	517	47
Stockpile #2										
Lab #0985	10-04-10	0.6	18.3	13.1	68.0	88.4	4.5	80.4	569	72
Lab #1175	11-09-10	0.3	18.9	13.4	67.4	88.3	4.1	80.2	566	66
CALCIUM PRODUCTS, INC., GILMORE CITY, IA										
CAPITAL QUARRIES CO., INC.-ARCADIA, JEFFERSON CITY, MO										
Stockpile #1										
Lab #1013	10-05-10	1.4	47.7	14.5	36.4	101.8	12.2	57.0	464	139
Lab #1314	12-08-10	2.4	51.2	11.3	35.1	101.7	12.2	54.7	445	133
CAPITAL QUARRIES, INC.- DANVILLE, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0744	08-19-10	3.0	59.4	9.5	28.1	94.9	0.6	48.7	369	6
Lab #1072	10-18-10	3.1	58.5	10.2	28.2	94.8	0.4	48.9	371	4
CAPITAL QUARRIES CO., INC- EUGENE, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0895	09-13-10	7.7	50.8	6.0	35.5	88.3	10.7	51.8	366	111
Lab #1230	11-18-10	8.8	47.8	9.9	33.5	91.4	8.4	51.4	376	86

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JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
CAPITAL QUARRIES CO., INC.-OWENSVIL, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0726	08-10-10	2.3	46.5	9.3	41.9	88.9	10.5	59.1	420	124
Lab #0899	09-15-10	1.7	39.8	16.2	42.3	82.2	10.0	62.0	408	124
CAPITAL QUARRIES, INC-STADIUM WEST, JEFFERSON CITY, MO										
CAPITAL QUARRIES INC-ROLLA Q #4, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0741	08-17-10	6.4	39.7	9.0	44.9	77.6	8.8	60.2	374	106
Lab #0935	09-24-10	11.8*	44.2	8.1	35.9	88.6	10.6	51.8	0	0
Lab #1137	10-28-10	0.0	3.9	5.3	90.8	90.0	1.9	95.0	684	36
Lab #1139	10-28-10	5.4	41.4	8.4	44.8	78.9	9.5	60.2	380	114
Stockpile #2										
Lab #0742	08-17-10	2.9	10.5	11.1	75.5	87.5	10.1	84.8	593	171
Lab #0936	09-24-10	4.4	18.1	9.6	67.9	87.0	10.4	78.2	544	163
Lab #1102	10-28-10	3.5	18.6	9.0	68.9	87.9	10.6	79.0	555	167
CAPITAL QUARRIES INC-CALIFORNIA Q#5, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0704	08-09-10	2.8	49.2	10.4	37.6	86.9	2.2	56.1	390	25
Lab #0883	09-15-10	4.1	50.7	9.4	35.8	89.1	2.2	54.1	386	24
Lab #1052	10-11-10	3.1	50.8	9.5	36.6	88.9	2.1	55.0	391	23
Lab #1188	11-10-10	3.3	51.0	10.7	35.0	86.7	2.7	54.2	376	29
Lab #1280	12-01-10	6.7	50.3	10.2	32.8	91.8	1.8	51.5	378	19
CAPITAL QUARRIES INC.-HERMANN #14, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0659	08-05-10	1.5	48.5	7.7	42.3	88.9	10.6	59.0	420	125
Lab #1030	10-11-10	0.5	47.3	9.0	43.2	88.6	10.5	60.4	428	127
CAPITAL QUARRIES, INC - SALEM, JEFFERSON CITY, MO										
Stockpile #1										
Lab #1031	10-12-10	2.5	45.0	14.3	38.2	96.7	11.3	58.0	449	131
CAPITAL QUARRIES INC-SULLIVAN, JEFFERSON CITY, MO										
Stockpile #1										
Lab #0727	08-11-10	7.1	44.7	12.4	35.8	97.7	11.3	54.4	425	123
Lab #0927	09-21-10	8.8	45.8	11.0	34.4	96.0	11.2	52.5	403	117
Lab #1135	10-27-10	5.9	43.5	13.3	37.3	97.6	11.3	56.2	438	127
Stockpile #2										
Lab #0728	08-11-10	0.0	1.1	15.3	83.6	99.7	11.5	93.1	742	214
Lab #0928	09-21-10	0.0	0.3	8.2	91.5	98.3	11.4	96.5	759	0
Lab #1136	10-27-10	0.0	0.5	14.7	84.8	96.4	11.1	93.7	723	208
CARROLL COUNTY STONE, INC., REPUBLIC, MO										
Stockpile #1										
Lab #0674	08-03-10	1.3	43.6	10.4	44.7	86.5	10.2	61.8	428	126
Lab #0996	09-27-10	0.5	45.1	9.9	44.5	85.9	10.2	61.7	424	126
Lab #1259	11-24-10	2.4	49.9	9.8	37.9	92.2	11.4	56.3	415	128
CARTHAGE CRUSHED LIMESTONE, CARTHAGE, MO										
Stockpile #1										
Lab #0777	08-19-10	1.4	11.3	5.1	82.2	96.5	0.2	88.1	680	4
Lab #1330	12-15-10	2.3	15.8	7.0	74.9	95.9	0.1	83.1	637	2
Stockpile #2										
Lab #0778	08-19-10	0.0	0.5	2.7	96.8	97.5	0.1	98.5	769	2
Lab #1331	12-15-10	0.0	0.4	1.2	98.4	96.1	0.1	99.2	763	2
Stockpile #3										
Lab #1238	11-19-10	3.4	48.9	11.5	36.2	90.1	0.6	55.3	399	7
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Stockpile #1										
Lab #0686	08-03-10	8.0	43.6	12.6	35.8	95.2	0.5	54.3	413	5
Lab #0852	09-08-10	7.6	42.9	11.8	37.7	94.5	0.5	55.5	420	6
Lab #0980	10-01-10	5.6	37.2	10.8	46.4	92.2	0.4	62.2	459	5
Lab #1168	11-05-10	17.7*	42.3	9.0	31.0	93.6	0.2	47.0	0	0
Stockpile #2										
Lab #0687	08-03-10	0.1	32.9	15.2	51.8	94.8	0.7	69.1	524	10
Lab #0853	09-08-10	0.1	31.6	15.7	52.6	89.9	0.5	69.9	503	7
Lab #0981	10-01-10	0.4	31.3	16.1	52.2	92.6	0.4	69.7	516	6
Lab #1169	11-05-10	0.1	28.7	15.8	55.4	92.6	0.5	72.1	534	7
CENTRAL STONE COMPANY-ANTONIA, HANNIBAL, MO										
CENTRAL STONE COMPANY - BETHEL, SHELBYVILLE, MO										
Stockpile #3										
Lab #0694	08-06-10	2.4	44.7	11.0	41.9	91.0	0.9	59.7	434	11
Lab #0889	09-15-10	2.5	41.8	10.4	45.3	91.6	1.2	62.0	454	15
Lab #1026	10-14-10	2.5	43.2	11.4	42.9	93.0	1.1	60.5	450	13
Lab #1245	11-22-10	3.6	39.9	10.5	46.0	92.6	1.1	62.3	461	14

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
CENTRAL STONE CO - FORT BELLE - #31, FLORISSANT, MO										
Stockpile #1										
Lab #0769	08-17-10	0.1	2.3	4.7	92.9	87.6	3.2	96.3	675	62
Lab #0925	09-20-10	0.0	1.5	4.1	94.4	87.3	2.5	97.2	679	49
Lab #1025	10-11-10	0.0	1.0	3.3	95.7	88.4	3.8	97.9	693	74
Lab #1173	11-08-10	0.0	0.4	1.8	97.8	90.7	3.5	99.0	718	69
CENTRAL STONE COMPANY - PARIS, PARIS, MO										
Stockpile #2										
Lab #0690	08-05-10	8.7	46.8	11.4	33.1	90.8	0.6	51.6	375	6
Lab #0860	09-02-10	7.9	49.9	12.5	29.7	91.5	0.5	49.7	364	5
Lab #0977	10-01-10	8.5	47.8	11.5	32.2	90.4	0.4	51.1	369	4
Lab #1151	11-03-10	7.1	46.4	12.6	33.9	91.0	0.4	53.1	386	4
CENTRAL STONE COMPANY - CURRYVILLE, CURRYVILLE, MO										
CENTRAL STONE COMPANY - PERRY, HANNIBAL, MO										
Stockpile #1										
Lab #0685	08-03-10	5.2	41.4	8.7	44.7	86.6	2.3	60.3	418	28
Lab #0869	09-08-10	6.4	41.9	9.0	42.7	86.6	2.2	58.6	406	26
CENTRAL STONE COMPANY - EWING, HANNIBAL, MO										
Stockpile #2										
Lab #0770	08-19-10	3.2	38.8	9.7	48.3	79.6	0.2	63.8	406	3
Lab #0893	09-15-10	3.2	37.8	9.3	49.7	77.7	0.2	64.7	402	3
Lab #1095	10-20-10	3.8	47.0	12.6	36.6	74.2	0.1	55.9	332	1
Lab #1249	11-22-10	5.2	40.5	10.3	44.0	80.0	0.1	60.3	386	1
CENTRAL STONE COMPANY - TAYLOR, TAYLOR, MO										
Stockpile #1										
Lab #0688	08-03-10	3.5	44.6	13.0	38.9	84.6	1.0	57.9	392	12
Lab #0854	09-08-10	3.9	45.6	12.7	37.8	84.0	1.1	56.8	382	13
Stockpile #2										
Lab #0689	08-03-10	1.2	43.6	13.9	41.3	82.9	1.0	60.5	402	12
Lab #0771	08-19-10	2.5	42.8	13.8	40.9	83.6	1.2	59.9	400	14
Lab #0855	09-08-10	7.5	42.0	12.2	38.3	82.7	1.1	56.1	371	12
Lab #1023	10-07-10	1.1	42.4	14.0	42.5	81.9	1.1	61.5	403	14
Lab #1170	11-05-10	1.1	42.4	13.7	42.8	81.8	1.2	61.6	403	15
CLEVER STONE CO, CLEVER, MO										
Stockpile #1										
Lab #0773	08-16-10	0.2	44.5	15.8	39.5	93.8	0.1	60.1	451	1
Lab #1258	11-23-10	2.0	49.0	14.3	34.7	95.0	0.1	55.5	422	1
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Stockpile #1										
Lab #0843	08-31-10	6.9	26.9	14.7	51.5	97.4	0.1	67.0	522	1
Lab #1217	11-09-10	0.1	12.2	15.0	72.7	97.1	0.2	84.8	658	3
Stockpile #4										
Lab #0840	08-31-10	0.1	11.9	15.1	72.9	96.0	0.2	84.9	652	3
Lab #1218	11-09-10	0.2	13.1	16.1	70.6	97.5	0.2	83.5	652	3
COUNTY LINE QUARRY, WELLSVILLE, MO										
Stockpile #1										
Lab #0698	08-09-10	4.0	42.4	10.5	43.1	89.6	4.3	60.0	430	52
Lab #0856	09-09-10	3.6	44.8	11.1	40.5	88.0	5.4	58.4	411	63
Lab #1024	10-08-10	6.9	44.9	8.5	39.7	91.1	5.3	56.0	408	59
Lab #1242	11-18-10	4.2	46.2	9.2	40.4	88.1	4.4	57.5	405	51
COUNTY LINE STONE, CASSVILLE, MO										
Stockpile #1										
Lab #0713	08-09-10	0.0	42.4	13.1	44.5	90.5	0.2	63.0	456	3
CRAWFORD LIME & MATERIAL CO, CUBA, MO										
Stockpile #1										
Lab #0900	09-15-10	1.3	42.7	12.1	43.9	77.5	9.3	61.8	383	115
CRIDER BROTHERS LIME CO., INC., EMINENCE, MO										
Stockpile #1										
Lab #0803	08-17-10	5.5	47.9	13.5	33.1	98.1	11.2	53.2	417	119
Lab #0894	09-14-10	4.3	52.9	10.5	32.3	90.2	10.4	51.8	374	108
D & D SUPPLY, LONE JACK, MO										
DELEWARE STONE LLC, WINONA, MO										
Stockpile #1										
Lab #0802	08-17-10	0.7	54.3	11.8	33.2	95.1	11.3	53.9	410	122
DOSS & HARPER STONE CO., HOUSTON, MO										
Stockpile #1										
Lab #1163	11-01-10	0.9	48.7	12.5	37.9	79.5	9.5	57.6	366	109
DOSS & HARPER STONE CO, WEST PLAINS, MO										
Stockpile #1										
Lab #1164	11-02-10	0.2	53.1	9.7	37.0	81.9	9.8	56.1	368	110
DOUBLE EAGLE AGGREGATES, MILLER, MO										

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JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
DOUBLE EAGLE AGGREGATES CO., INC, MILLER, MO										
Stockpile #1										
Lab #0874	09-08-10	2.2	40.9	10.8	46.1	76.0	9.0	62.8	382	113
EVERETT QUARRIES #1-LATHROP, PLATTSBURG, MO										
Stockpile #2										
Lab #0633	07-21-10	0.5	50.0	11.2	38.3	86.1	0.8	57.5	396	9
Lab #0814	09-02-10	0.5	47.8	11.8	39.9	86.5	0.8	58.9	408	9
Lab #1124	10-25-10	0.8	48.8	11.1	39.3	84.0	0.9	58.2	391	10
Lab #1278	12-03-10	0.3	49.1	12.7	37.9	83.3	1.0	57.8	385	12
EVERETT QUARRIES #6-KING, PLATTSBURG, MO										
Stockpile #1										
Lab #0721	08-10-10	1.9	42.9	12.8	42.4	87.8	1.8	60.8	427	22
Lab #0870	09-09-10	1.8	45.7	10.5	42.0	87.6	2.0	59.7	419	24
Lab #0975	09-29-10	1.7	45.0	9.5	43.8	87.8	1.7	60.8	427	21
Lab #1107	10-28-10	3.0	48.0	9.2	39.8	88.0	1.6	57.3	404	18
Lab #1225	11-16-10	2.9	48.6	10.9	37.6	88.5	1.1	56.3	399	12
Lab #1326	12-08-10	2.1	45.7	9.6	42.6	87.1	1.4	59.8	417	17
EVERETT QUARRIES #53-CAMERON, PLATTSBURG, MO										
Stockpile #1										
Lab #0634	07-21-10	1.3	42.3	12.0	44.4	77.1	1.8	62.2	383	22
Lab #0815	09-02-10	2.4	43.4	9.5	44.7	76.2	1.9	61.3	373	23
Lab #0849	09-09-10	1.7	41.6	10.3	46.4	78.2	1.7	63.0	394	21
Lab #1179	11-09-10	2.0	47.1	9.8	41.1	76.3	1.8	58.8	359	21
Stockpile #2										
Lab #0635	07-21-10	0.5	48.4	10.0	41.1	71.3	2.2	59.2	338	26
Lab #0816	09-02-10	0.5	48.3	11.3	39.9	71.8	2.2	58.8	337	26
Lab #0850	09-09-10	0.4	47.5	10.9	41.2	72.2	2.2	59.6	344	26
Lab #1180	11-09-10	0.7	50.8	11.4	37.1	73.7	2.2	56.6	334	25
EVERETT QUARRIES #54-GOWER, PLATTSBURG, MO										
Stockpile #3										
Lab #0649	07-22-10	1.3	50.0	10.3	38.4	82.0	1.1	57.1	374	13
Lab #0789	08-26-10	0.7	49.0	12.8	37.5	81.9	1.0	57.4	376	11
Lab #1123	10-25-10	0.8	46.6	11.8	40.8	81.9	0.9	59.5	390	11
Lab #1277	12-03-10	1.1	45.6	11.9	41.4	81.2	0.9	59.9	389	11
EVERETT QUARRIES #59-STANBERRY, PLATTSBURG, MO										
Stockpile #1										
Lab #0638	07-22-10	0.9	47.1	10.0	42.0	78.9	1.5	59.8	377	18
Lab #0817	09-02-10	0.8	47.4	10.4	41.4	79.3	1.7	59.5	377	20
Lab #1129	10-28-10	0.1	45.2	13.0	41.7	78.7	1.8	60.8	383	22
FALL VALLEY STONE, INC., MT. VERNON, MO										
FARMERS LITTER & LIME, SIKESTON, MO										
FISCHER QUARRIES LLC, HUGHESVILLE, MO										
Stockpile #1										
Lab #0663	08-05-10	5.1	49.2	10.4	35.3	96.5	1.6	53.8	416	17
Lab #0846	09-07-10	1.4	47.2	12.5	38.9	97.4	1.3	58.2	453	15
Lab #0961	10-01-10	0.1	42.6	13.8	43.5	96.0	1.6	62.4	479	20
Lab #1160	11-05-10	0.2	44.2	14.0	41.6	96.2	1.6	61.1	470	20
Lab #1299	12-07-10	4.2	50.8	11.0	34.0	93.8	2.2	53.3	400	23
Stockpile #4										
Lab #0664	08-05-10	1.5	45.2	12.8	40.5	94.9	1.3	59.5	452	15
Lab #0847	09-07-10	0.3	44.5	13.2	42.0	96.5	1.2	61.0	471	15
Lab #0962	10-01-10	0.3	47.2	13.6	38.9	95.7	1.5	58.9	451	18
Lab #1161	11-05-10	0.4	44.1	14.9	40.6	97.0	1.3	60.6	470	16
Lab #1300	12-07-10	0.9	46.5	12.7	39.9	97.2	1.3	59.1	460	15
FISCHER QUARRY & HAULING, LLC, ST. MARY, MO										
Stockpile #1										
Lab #0801	08-26-10	5.8	55.6	10.8	27.8	98.2	0.1	48.2	379	1
Lab #1199	11-11-10	4.7	43.1	14.0	38.2	97.5	0.1	57.4	448	1
Lab #1309	12-07-10	1.4	53.0	15.3	30.3	98.8	0.1	52.7	417	1
GABEL STONE COMPANY INC., WILLOW SPRINGS, MO										
Stockpile #2										
Lab #0631	07-13-10	1.5	47.5	15.4	35.6	58.5*	6.6	56.7	0	0
HIGGINS - MEEKER QUARRIES LLC, DEEPWATER, MO										
Stockpile #1										
Lab #1021	10-08-10	16.9*	43.4	7.2	32.5	75.9	7.3	47.7	0	0
Lab #1049	10-13-10	11.2*	43.5	8.3	37.0	72.2	6.8	52.9	0	0
Lab #1213	11-08-10	17.5*	44.2	7.0	31.3	70.0	6.1	46.6	0	0

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
HIGGINS QUARRY, LLC, LOOSE CREEK, MO										
Stockpile #2										
Lab #0658	08-03-10	0.6	48.3	9.7	41.4	88.5	10.5	59.3	420	125
Lab #0897	09-14-10	1.4	45.2	10.4	43.0	89.8	10.9	60.5	435	132
Lab #1231	11-19-10	1.2	49.9	8.6	40.3	90.2	11.0	57.9	418	127
HILTY QUARRIES, INC, CLINTON, MO										
Stockpile #4										
Lab #0759	08-19-10	0.7	46.5	13.0	39.8	86.9	0.7	59.2	412	8
Lab #0916	09-16-10	0.3	45.7	11.0	43.0	86.0	0.7	61.0	420	9
Lab #1181	11-01-10	1.2	49.4	11.2	38.2	86.8	0.6	57.3	398	7
Lab #1267	12-01-10	1.5	48.9	10.8	38.8	88.0	0.6	57.5	405	7
HILTY QUARRIES, INC. - QUARLES, CLINTON, MO										
HILTY QUARRIES, INC - LEETON, CLINTON, MO										
Stockpile #1										
Lab #1343	12-14-10	21.4*	48.6	7.4	22.6	79.8	1.1	39.2	0	0
Stockpile #3										
Lab #1183	11-02-10	8.5	44.6	10.0	36.9	87.3	0.7	54.1	377	8
Lab #1344	12-14-10	2.6	44.3	12.2	40.9	90.3	0.3	59.3	428	4
HILTY QUARRIES, INC. - MONTROSE, CLINTON, MO										
Stockpile #1										
Lab #0760	08-17-10	2.2	56.3	12.7	28.8	85.1	1.0	50.5	344	10
Lab #0878	09-08-10	1.0	55.3	11.9	31.8	85.1	1.6	52.8	359	17
Lab #1047	10-13-10	1.6	54.9	12.3	31.2	85.4	0.9	52.3	357	9
Stockpile #3										
Lab #1048	10-13-10	1.2	43.2	13.3	42.3	91.6	0.4	61.1	448	5
Lab #1210	11-08-10	0.6	43.8	13.1	42.5	92.6	0.4	61.3	454	5
Lab #1318	12-09-10	4.1	42.8	11.9	41.2	91.8	0.3	59.0	434	4
HILTY QUARRIES, INC - SOUTH DELL, CLINTON, MO										
Stockpile #1										
Lab #0830	08-30-10	5.1	48.4	11.4	35.1	95.8	0.2	54.0	414	2
Lab #0952	09-23-10	6.2	50.9	12.1	30.8	94.5	0.4	50.8	384	4
Lab #1111	10-26-10	7.4	50.6	10.9	31.1	95.3	0.3	50.3	383	3
Lab #1328	11-30-10	4.7	50.0	11.4	33.9	92.7	0.3	53.2	395	3
HILTY QUARRIES, INC - TIGHTWAD, CLINTON, MO										
Stockpile #1										
Lab #0807	08-24-10	0.7	35.4	13.4	50.5	87.3	0.5	67.4	471	7
Lab #0954	09-23-10	2.1	39.9	12.2	45.8	87.9	1.1	63.1	444	14
Lab #1113	10-26-10	1.8	47.3	11.4	39.5	86.4	1.4	58.2	402	16
Lab #1263	11-30-10	2.4	46.4	11.9	39.3	90.5	0.2	58.0	420	2
Stockpile #2										
Lab #0808	08-24-10	0.4	36.7	10.9	52.0	70.6	4.5	67.7	382	61
Lab #0955	09-23-10	5.6	46.8	8.0	39.6	76.6	3.7	56.1	344	42
Lab #1114	10-26-10	2.8	43.6	10.5	43.1	85.0	2.3	60.3	410	28
Lab #1264	11-30-10	0.4	46.1	11.3	42.2	71.6	3.9	60.5	347	47
Stockpile #3										
Lab #0809	08-24-10	0.1	43.4	13.0	43.5	93.5	0.3	62.2	465	4
Lab #0956	09-23-10	0.4	46.8	13.0	39.8	95.1	0.5	59.3	451	6
Lab #1115	10-26-10	0.2	42.6	13.3	43.9	94.4	0.1	62.5	472	1
Lab #1265	11-30-10	0.2	43.4	13.2	43.2	93.0	0.4	62.0	461	5
HILTY QUARRIES, INC. - URICH, CLINTON, MO										
Stockpile #1										
Lab #0991	09-28-10	6.7	54.6	9.7	29.0	75.1	0.8	48.5	291	8
Lab #1045	10-13-10	4.6	46.5	11.9	37.0	75.8	0.9	55.8	338	10
Lab #1211	11-08-10	3.7	49.7	11.1	35.5	76.4	0.9	54.6	334	10
Lab #1319	12-09-10	10.2*	57.5	8.5	23.8	80.8	0.5	43.3	0	0
Stockpile #2										
Lab #0761	08-17-10	10.9*	54.3	8.5	26.3	78.5	1.0	45.0	0	0
Lab #0879	09-08-10	5.9	50.4	10.0	33.7	72.9	1.2	52.3	305	13
Lab #0992	09-28-10	4.7	55.5	6.9	32.9	77.9	0.7	50.9	317	7
Lab #1046	10-13-10	6.3	54.4	8.9	30.4	77.8	0.8	49.3	307	8
Lab #1212	11-08-10	6.6	53.8	9.1	30.5	77.2	1.0	49.4	305	10
Lab #1320	12-09-10	7.6	54.5	8.7	29.2	78.9	0.7	48.0	303	7
HILTY QUARRIES INC.- WARRENSBURG, CLINTON, MO										
HOSTETTLER QUARRY, LLC, BUFFALO, MO										
Stockpile #1										
Lab #0764	08-18-10	0.8	39.1	9.3	50.8	83.2	9.7	66.2	440	128
Lab #0877	09-07-10	4.1	46.0	8.9	41.0	85.2	9.0	57.8	394	104
Lab #1100	10-19-10	3.7	45.3	7.8	43.2	83.4	10.0	59.2	395	118
Lab #1270	12-02-10	1.4	44.8	8.6	45.2	83.1	10.2	61.6	409	126

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
HORN QUARRY, LLC, BRECKENRIDGE, MO										
Stockpile #1										
Lab #0756	08-17-10	1.1	43.5	11.4	44.0	89.0	1.0	61.7	439	12
Lab #0872	09-09-10	1.1	43.0	10.0	45.9	89.2	1.0	62.7	447	13
Lab #1082	10-18-10	1.1	43.3	11.4	44.2	90.2	0.9	61.9	446	11
HUNT-MARTIN MATERIALS, PARKVILLE, MO										
HUNT-MARTIN MATERIALS - STAMPER, KANSAS CITY, MO										
Stockpile #2										
Lab #0650	07-22-10	0.0	32.7	15.4	51.9	90.8	0.8	69.3	504	11
Lab #0813	09-02-10	0.1	29.8	15.4	54.7	90.6	0.8	71.4	517	11
Lab #1127	10-27-10	1.1	31.0	14.4	53.5	90.8	0.8	69.9	508	11
Lab #1275	12-03-10	0.2	33.2	15.0	51.6	89.7	0.9	68.9	494	12
HUNTER STONE CO, ELLSINORE, MO										
Stockpile #1										
Lab #0632	07-13-10	0.2	34.9	17.3	47.6	97.2	11.2	66.7	519	149
Lab #0938	09-14-10	6.8	45.9	12.3	35.0	97.2	11.6	53.9	419	125
Lab #1094	10-19-10	12.2*	49.1	9.7	29.0	92.9	11.1	47.1	0	0
Lab #1322	12-06-10	3.3	48.6	12.9	35.2	96.6	11.8	55.1	426	130
HUTCHENS CONSTRUCTION-PURDY, CASSVILLE, MO										
Stockpile #2										
Lab #0911	09-13-10	0.4	40.5	14.5	44.6	80.2	0.1	63.4	407	1
HUTCHENS CONSTRUCTION-EAGLE ROCK, CASSVILLE, MO										
Stockpile #2										
Lab #0676	08-03-10	1.8	49.5	9.4	39.3	90.2	10.8	57.3	414	124
Lab #0998	09-27-10	1.7	48.0	9.1	41.2	90.3	10.8	58.7	424	127
Lab #1324	12-10-10	1.4	47.8	10.2	40.6	88.8	10.8	58.7	417	127
HUTCHENS CONSTRUCTION CO-SHELL KNOB, CASSVILLE, MO										
Stockpile #1										
Lab #0675	08-03-10	1.4	49.2	9.8	39.6	94.9	11.4	57.8	439	132
Lab #0997	09-27-10	0.8	45.5	9.3	44.4	92.0	11.0	61.4	452	135
Lab #1260	11-24-10	1.6	51.1	9.6	37.7	96.7	12.0	56.2	435	135
HUTCHENS CONSTRUCTION-WASHBURN, CASSVILLE, MO										
JASPER STONE LLC, JASPER, MO										
Stockpile #1										
Lab #0842	09-03-10	2.5	42.6	16.7	38.2	97.1	0.1	58.9	457	1
Lab #0939	09-23-10	2.9	42.3	17.2	37.6	97.7	0.1	58.5	457	1
Lab #0940	09-24-10	3.3	42.9	15.9	37.9	97.6	0.1	58.2	454	1
Lab #1288	12-02-10	1.2	39.7	18.4	40.7	95.4	0.1	61.7	471	1
JENKINS QUARRY, CASSVILLE, MO										
Stockpile #1										
Lab #0774	08-17-10	0.5	45.9	9.0	44.6	91.8	10.0	61.5	451	123
Lab #1132	10-29-10	0.2	47.0	8.9	43.9	92.2	11.1	61.0	450	135
JIMMY SANDERS, INC, LEACHVILLE, AR										
JOPLIN STONE CO Q DUENWEG, JOPLIN, MO										
Stockpile #2										
Lab #0711	08-09-10	0.5	20.0	18.7	60.8	83.2	0.2	77.0	513	3
Lab #1285	12-01-10	0.8	46.9	11.9	40.4	80.5	0.1	59.3	382	1
LEO JOURNAGAN CONSTRUCTION CO, INC, SPRINGFIELD, MO										
Stockpile #1										
Lab #0772	08-16-10	3.4	49.5	18.0	29.1	93.1	0.1	52.3	389	1
Lab #1257	11-23-10	1.6	46.2	14.4	37.8	96.7	0.4	58.0	449	5
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Stockpile #1										
Lab #0696	08-06-10	0.9	16.5	10.4	72.2	88.2	1.5	82.6	583	25
Lab #0891	09-15-10	0.9	16.7	10.4	72.0	88.8	1.4	82.4	585	23
Lab #1097	10-20-10	2.3	22.9	8.7	66.1	87.4	1.9	77.0	539	29
Lab #1247	11-22-10	1.5	21.9	9.4	67.2	87.9	1.7	78.3	551	27
Stockpile #3										
Lab #0697	08-06-10	0.1	22.0	14.5	63.4	92.8	0.5	77.6	576	8
Lab #0892	09-15-10	0.0	21.9	14.0	64.1	88.6	0.4	78.0	553	6
Lab #1098	10-20-10	0.2	19.1	15.0	65.7	90.4	0.5	79.5	575	8
Lab #1248	11-22-10	0.3	20.6	13.4	65.7	91.4	0.5	78.9	577	8
KELLEY QUARRY, CROCKER, MO										
KEMP STONE, INC, PRYOR, OK										
Stockpile #1										
Lab #0717	08-13-10	2.5	28.7	14.9	53.9	77.3	0.2	70.0	433	3
Lab #0915	09-17-10	5.0	47.5	12.0	35.5	80.3	0.2	54.6	351	2
Lab #1255	11-22-10	5.0	47.4	12.1	35.5	80.2	0.1	54.6	350	1

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
KERFORD LIMESTONE CO, WEEPING WATER, NE										
Stockpile #1										
Lab #0821	09-02-10	0.0	0.1	0.2	99.7	93.3	0.4	99.8	745	8
Lab #1058	10-20-10	0.0	0.2	0.1	99.7	88.9	0.7	99.8	710	14
KNOX COUNTY STONE CO, EDINA, MO										
Stockpile #2										
Lab #0826	08-26-10	0.7	39.8	12.6	46.9	91.2	3.2	64.4	470	41
Lab #0885	09-13-10	1.0	43.2	11.7	44.1	89.2	3.2	61.9	442	40
Lab #1148	11-01-10	0.7	39.3	13.0	47.0	92.7	2.2	64.6	479	28
L & W QUARRIES, INC - CLARKDALE #8, CENTERVILLE, IA										
L & W QUARRIES, INC - WALNUT CITY, CENTERVILLE, IA										
Stockpile #1										
Lab #1037	10-12-10	5.4	54.6	9.9	30.1	85.8	0.4	49.7	341	4
Lab #1039	10-13-10	4.8	49.7	9.4	36.1	81.3	0.4	54.2	352	4
Lab #1041	10-14-10	6.2	55.0	9.9	28.9	89.4	0.4	48.6	348	4
Lab #1226	11-17-10	4.9	58.8	9.3	27.0	88.8	0.4	47.3	336	4
Lab #1327	12-09-10	6.0	56.6	8.6	28.8	87.9	0.4	48.1	338	4
Stockpile #4										
Lab #0666	08-02-10	12.7*	46.9	8.0	32.4	81.9	0.3	48.9	0	0
Lab #0668	08-03-10	9.3	48.0	8.3	34.4	83.9	0.3	51.4	345	3
Lab #0718	08-09-10	9.7	44.4	8.9	37.0	80.6	0.2	53.4	345	2
L & W QUARRIES INC., CENTERVILLE, IA										
Stockpile #1										
Lab #0827	08-27-10	3.1	46.4	10.2	40.3	84.7	3.4	58.0	393	39
Lab #0886	09-14-10	4.5	46.5	9.4	39.6	85.9	3.0	56.9	391	34
Lab #1149	11-02-10	6.5	46.6	10.6	36.3	86.8	0.8	54.3	377	9
Lab #1281	12-07-10	5.4	45.8	10.2	38.6	82.8	0.2	56.2	372	2
Stockpile #2										
Lab #0828	08-27-10	8.1	45.1	9.4	37.4	90.9	0.7	54.3	395	8
Lab #0887	09-14-10	7.5	42.5	9.3	40.7	89.8	0.7	56.9	409	8
Lab #1150	11-02-10	6.3	48.0	11.0	34.7	90.8	1.1	53.3	387	12
LILE QUARRY INC., STRAFFORD, MO										
Stockpile #2										
Lab #0999	09-29-10	0.1	53.2	8.8	37.9	87.9	10.5	56.5	397	119
MAGRUDER LIMESTONE CO-ASHLEY, BOWLING GREEN, MO										
Stockpile #1										
Lab #0684	08-02-10	0.3	47.7	11.9	40.1	93.7	1.3	59.2	444	15
Lab #0865	09-07-10	0.1	46.0	8.9	45.0	80.9	2.5	61.8	400	31
Lab #1004	10-06-10	0.6	46.4	10.2	42.8	89.5	1.6	60.5	433	19
Lab #1244	11-19-10	0.6	50.3	8.6	40.5	84.9	1.9	58.2	396	22
MAGRUDER LIMESTONE CO, INC.-BOWLING, BOWLING GREEN, MO										
MAGRUDER LIMESTONE CO-FRANKFORD, BOWLING GREEN, MO										
Stockpile #1										
Lab #0682	08-02-10	3.0	41.6	12.9	42.5	96.2	1.7	60.6	467	21
Lab #0863	09-03-10	4.6	45.1	11.4	38.9	97.0	1.5	57.0	442	17
Lab #1022	10-07-10	0.7	38.3	13.6	47.4	98.7	2.4	65.1	514	31
Lab #1243	11-19-10	0.8	39.2	12.8	47.2	97.5	2.2	64.7	505	28
MAGRUDER LIMESTONE - SILEX QUARRY, TROY, MO										
Stockpile #2										
Lab #0765	08-16-10	4.8	46.3	9.1	39.8	91.8	3.4	56.8	417	39
Lab #0866	09-07-10	5.3	47.0	8.6	39.1	90.2	3.4	56.0	404	38
Lab #1028	10-15-10	6.4	47.4	7.8	38.4	91.2	3.4	54.9	401	37
Lab #1171	11-08-10	6.0	46.7	8.5	38.8	90.0	3.4	55.6	400	38
MAGRUDER LIMESTONE CO Q TROY, TROY, MO										
Stockpile #1										
Lab #0767	08-16-10	4.5	40.5	10.1	44.9	90.4	2.7	61.1	442	33
Lab #0868	09-07-10	4.3	42.0	11.1	42.6	90.0	2.9	59.8	430	35
Lab #1003	10-05-10	4.4	45.0	8.5	42.1	88.3	3.5	58.5	413	41
Lab #1172	11-08-10	8.8	52.1	7.4	31.7	84.4	2.6	49.2	332	26
MANSFIELD LIME & STONE, MANSFIELD, MO										
Stockpile #2										
Lab #1166	11-03-10	0.1	38.6	8.9	52.4	84.5	10.0	67.4	456	135
MARTIN MARIETTA AGG - APPLETON, PERRYVILLE, MO										
MARTIN MARIETTA AGGREGATE-FREDONIA, FREDONIA, KY										
MARTIN MARIETTA AGG-PERRYVILLE, PERRYVILLE, MO										
Stockpile #1										
Lab #0799	08-26-10	0.8	0.7	0.4	98.1	94.2	2.0	98.5	742	39
Lab #1197	11-11-10	1.3	1.2	0.7	96.8	93.3	3.4	97.5	728	66
Lab #1308	12-07-10	0.0	1.1	0.6	98.3	94.1	2.7	98.9	745	53
Stockpile #2										
Lab #0800	08-26-10	0.5	52.0	13.3	34.2	93.2	2.2	55.2	411	24

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		+8	-8+40	-40+60	-60				ENM	EMg
MARTIN MARIETTA AGG-PERRYVILLE, PERRYVILLE, MO (Continued)										
Stockpile #2										
Lab #1198	11-11-10	0.6	56.4	10.2	32.8	92.4	2.4	53.0	392	25
Lab #1307	12-07-10	0.7	51.8	10.1	37.4	90.9	2.3	56.4	410	26
MARTIN MARIETTA AGGREGATES INC, WEEPING WATER, NE										
Stockpile #1										
Lab #0820	09-02-10	6.6	45.4	8.9	39.1	82.5	1.1	55.8	368	12
Lab #1059	10-20-10	4.5	46.7	9.3	39.5	84.2	0.8	56.8	382	9
MERTENS CONST CO-AUXVASSE, KINGDOM CITY, MO										
Stockpile #1										
Lab #0700	08-10-10	6.8	53.3	10.3	29.6	93.9	1.8	49.1	369	18
Lab #0857	09-10-10	6.8	53.4	10.0	29.8	94.0	1.9	49.2	370	19
Lab #0982	10-04-10	6.6	54.3	11.7	27.4	93.4	1.9	48.0	359	18
Lab #1174	11-09-10	10.3*	53.6	8.1	28.0	96.3	0.8	46.3	0	0
Stockpile #2										
Lab #0699	08-10-10	5.9	54.5	10.3	29.3	94.3	1.5	49.1	370	15
Lab #0858	09-10-10	7.0	56.7	9.1	27.2	95.0	1.4	46.8	356	13
Lab #0983	10-04-10	6.9	56.6	8.7	27.8	94.9	1.2	47.2	358	11
MERTENS CONST CO-Q-REFORM, KINGDOM CITY, MO										
Stockpile #1										
Lab #0745	08-20-10	8.0	53.0	9.4	29.6	88.1	1.7	48.5	342	16
Lab #1227	11-09-10	3.8	53.1	9.9	33.2	88.5	1.2	52.4	371	13
Stockpile #2										
Lab #0746	08-20-10	4.2	46.2	10.5	39.1	87.4	4.7	57.0	398	54
Lab #1228	11-09-10	4.0	45.9	10.9	39.2	80.8	3.5	57.2	370	40
MFA INC, COLUMBIA, MO										
MID-COUNTY MATERIALS, WAYNESVILLE, MO										
Stockpile #1										
Lab #0630	07-13-10	0.0	0.3	0.9	98.8	72.4	8.4	99.4	576	167
Lab #0738	08-16-10	0.3	0.4	0.3	99.0	72.3	8.3	99.3	574	165
Lab #0932	09-23-10	0.0	0.3	1.0	98.7	67.7	8.0	99.4	538	159
MID-MISSOURI LIMESTONE INC-MBQ, KINGDOM CITY, MO										
Stockpile #1										
Lab #0724	08-09-10	5.7	53.4	12.3	28.6	95.6	0.1	49.3	377	1
Lab #1017	10-06-10	7.8	47.4	11.4	33.4	95.8	0.1	52.1	399	1
MID-MISSOURI LIMESTONE, INC.-HOUSTO, KINGDOM CITY, MO										
Stockpile #1										
Lab #0662	08-05-10	4.4	49.5	11.1	35.0	92.8	0.2	54.0	401	2
Lab #0845	09-07-10	4.6	47.8	12.3	35.3	92.1	0.2	54.6	403	2
Lab #0960	10-01-10	4.6	51.0	10.7	33.7	91.5	0.1	52.9	387	1
Lab #1159	11-05-10	4.2	51.2	12.9	31.7	93.4	0.1	52.2	390	1
Lab #1298	12-07-10	3.3	49.7	13.3	33.7	93.5	0.2	54.1	405	2
MID-MISSOURI LIMESTONE-RIGGS, KINGDOM CITY, MO										
Stockpile #1										
Lab #0701	08-10-10	4.0	52.2	7.8	36.0	87.7	5.6	53.7	377	60
Stockpile #2										
Lab #0702	08-10-10	5.1	46.4	9.9	38.6	91.0	2.7	56.1	409	30
MIDWEST MINERALS INC - JASPER, PITTSBURG, KS										
Stockpile #1										
Lab #0790	08-23-10	1.0	43.1	13.9	42.0	97.6	0.1	61.1	477	1
Lab #0841	09-01-10	0.9	43.3	14.2	41.6	97.4	0.2	60.9	475	2
Lab #1286	12-02-10	1.1	42.5	13.8	42.6	97.5	0.1	61.5	480	1
MIDWEST STONE LLC-WHITEWATER, WENTZVILLE, MO										
Stockpile #4										
Lab #0708	08-05-10	4.2	62.5	8.5	24.8	93.8	10.9	45.5	342	99
MIDWEST STONE LLC - SHELBYNA, WENTZVILLE, MO										
MISSISSIPPI LIME COMPANY, STE. GENEVIEVE,, MO										
Stockpile #1										
Lab #0797	08-25-10	0.0	0.3	0.5	99.2	98.5	0.2	99.6	785	4
Lab #1195	11-10-10	0.0	0.4	0.5	99.1	99.0	0.2	99.5	788	4
Lab #1305	12-07-10	0.0	0.2	0.4	99.4	98.8	0.2	99.7	788	4
Stockpile #3										
Lab #0798	08-25-10	0.0	46.5	27.1	26.4	98.9	0.2	54.3	430	2
Lab #1196	11-10-10	0.0	40.3	27.7	32.0	98.8	0.2	58.7	464	2
Lab #1306	12-07-10	0.0	44.1	29.8	26.1	97.8	0.2	55.0	430	2
MISSOURI LIME AND MATERIAL CO., INC, EUREKA, MO										
Stockpile #1										
Lab #1138	10-27-10	0.0	0.2	1.4	98.4	98.4	6.0	99.3	782	119
Lab #1272	11-29-10	0.0	1.5	5.9	92.6	98.9	6.5	96.5	764	125

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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
MK MINERALS INC., WATHENA, KS										
Stockpile #1										
Lab #0648	07-22-10	0.0	0.9	3.4	95.7	89.3	0.7	99.3	709	14
Lab #0788	08-26-10	0.0	1.1	3.5	95.4	88.5	0.7	97.8	692	14
Lab #1070	10-21-10	0.1	2.1	4.3	93.5	89.0	0.7	96.6	688	14
Lab #1276	12-03-10	0.0	1.3	2.8	95.9	89.1	0.8	97.9	698	16
MO VALLEY GRAIN & PELLETIZING, MISSOURI VALLEY, IA										
Stockpile #1										
Lab #1121	10-22-10	0.0	0.4	0.8	98.8	9.4*	0.4	99.4	0	0
MORRIS ROCK, DEERFIELD, MO										
Stockpile #1										
Lab #0679	08-05-10	3.1	62.4	9.6	24.9	91.8	1.3	46.3	340	12
MOUNTAIN GROVE QUARRY, MOUNTAIN GROVE, MO										
Stockpile #1										
Lab #1165	11-02-10	0.8	42.2	10.6	46.4	89.3	10.6	63.3	452	134
KEITH MURRAY, PLATO, MO										
NELSON BROS. QUARRIES, JASPER, MO										
Stockpile #1										
Lab #0791	08-23-10	0.0	46.9	15.3	37.8	97.5	0.3	58.7	458	4
Lab #1287	12-02-10	0.0	46.6	15.0	38.4	96.4	0.2	59.1	455	2
NEMO SAND & GRAVEL, QUARRY, PITTSBURG, MO										
Stockpile #1										
Lab #0681	08-06-10	0.9	37.7	9.5	51.9	81.4	9.7	67.0	436	130
Lab #0921	09-15-10	2.9	42.0	8.4	46.7	81.8	9.7	62.2	407	121
Lab #1020	10-07-10	2.7	40.7	8.4	48.2	82.9	9.6	63.4	421	122
Lab #1234	11-17-10	0.7	37.2	9.9	52.2	81.3	9.7	67.4	439	131
Lab #1317	12-08-10	0.8	44.4	8.7	46.1	80.4	9.7	62.4	401	121
NORRIS AGGREGATE PRODUCT CO-AMAZONI, AMAZONIA, MO										
NORRIS AGGREGATE PROD. CO.-BARNARD, BARNARD, MO										
Stockpile #2										
Lab #0643	07-22-10	3.9	48.2	12.6	35.3	81.2	1.2	54.9	357	13
Lab #0787	08-26-10	4.0	48.9	10.1	37.0	80.2	1.0	55.3	355	11
Lab #1066	10-21-10	3.7	49.9	9.6	36.8	79.4	1.3	55.0	350	14
NORRIS AGGREGATES PROD. CO.-BETHANY, BETHANY, MO										
Stockpile #5										
Lab #0747	08-16-10	8.7	46.5	9.4	35.4	86.3	1.3	52.7	364	14
Lab #0908	09-15-10	8.0	48.1	9.3	34.6	88.9	1.4	52.2	371	15
Lab #1008	10-07-10	8.1	49.2	8.9	33.8	86.6	1.3	51.4	356	13
Lab #1337	12-15-10	4.6	50.3	9.8	35.3	74.4	1.5	53.8	320	16
Lab #1338	12-16-10	6.8	48.2	10.1	34.9	75.0	1.6	53.0	318	17
Lab #1340	12-17-10	7.4	48.2	9.6	34.8	75.2	1.5	52.6	317	16
NORRIS AGGREGATE PROD. CO. - BREIT, SAVANNAH, MO										
Stockpile #1										
Lab #0646	07-22-10	7.2	47.7	8.8	36.3	84.0	1.1	53.5	360	12
Lab #0781	08-26-10	9.0	48.0	8.2	34.8	80.9	1.4	51.7	335	14
Lab #0851	09-09-10	7.5	49.4	8.5	34.6	80.6	1.5	52.1	336	16
Lab #1068	10-21-10	8.5	48.6	8.2	34.7	81.1	1.5	51.8	336	16
Stockpile #2										
Lab #0782	08-26-10	14.2*	45.4	7.8	32.6	79.6	1.5	48.6	0	0
Stockpile #3										
Lab #1069	10-21-10	16.6*	45.2	7.1	31.1	77.9	1.6	46.7	0	0
NORRIS AGGREGATE PRDCTS-BLUE MOUND, DAWN, MO										
Stockpile #1										
Lab #0673	08-05-10	2.0	46.3	9.9	41.8	81.5	0.8	59.3	387	9
Lab #0901	09-13-10	2.1	46.4	10.7	40.8	81.3	0.6	58.8	383	7
Stockpile #2										
Lab #0974	09-29-10	0.9	57.8	11.0	30.3	86.8	0.4	51.4	357	4
Lab #0967	09-30-10	1.0	56.7	10.3	32.0	87.4	0.4	52.4	366	4
Lab #0969	10-01-10	0.9	60.0	10.1	29.0	87.1	0.4	50.1	349	4
Lab #1224	11-16-10	0.5	58.4	10.1	31.0	85.5	0.5	51.7	353	5
Lab #1325	12-08-10	1.0	57.1	10.2	31.7	87.2	0.4	52.1	363	4
NORRIS AGGREGATE PROD. CO.-GALLATIN, GALLATIN, MO										
Stockpile #1										
Lab #0750	08-17-10	2.7	60.3	9.5	27.5	87.1	0.6	48.3	336	6
Lab #0836	09-03-10	2.9	53.5	9.7	33.9	78.1	1.2	53.1	332	13
Lab #0976	09-29-10	3.3	54.1	9.9	32.7	80.6	1.2	52.2	336	13
Lab #1105	10-26-10	3.4	56.2	14.0	26.4	84.3	1.0	48.9	329	10
Lab #1289	11-29-10	5.2	56.8	8.9	29.1	83.1	0.9	48.6	323	9

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
NORRIS AGGREGATE PROD. CO.- GOODEN, RAVENWOOD, MO										
Stockpile #3										
Lab #0639	07-22-10	4.1	47.9	9.6	38.4	85.1	1.4	56.1	382	16
Lab #0818	09-02-10	6.1	44.3	9.6	40.0	80.9	1.6	56.8	368	18
Lab #1145	11-01-10	7.1	42.2	9.8	40.9	79.9	1.9	57.3	366	22
NORRIS AGGREGATE PRODUCTS CO - EAST, HUNTSVILLE, MO										
Stockpile #1										
Lab #0722	08-11-10	10.0	48.7	10.4	30.9	89.8	1.4	49.3	354	14
Lab #0902	09-14-10	10.5*	46.6	10.4	32.5	91.5	1.7	50.4	0	0
Stockpile #2										
Lab #0968	09-30-10	6.9	49.4	11.7	32.0	92.9	0.3	51.4	382	3
Lab #0970	10-01-10	7.0	49.3	12.0	31.7	93.5	0.2	51.2	383	2
Lab #0966	10-04-10	6.2	49.7	12.2	31.9	93.1	0.3	51.6	385	3
Lab #1155	11-02-10	6.2	48.9	13.6	31.3	93.8	0.2	51.7	388	2
NORRIS AGGREGATE PROD. CO.-JEFFRIES, BLYTHEDALE, MO										
Stockpile #1										
Lab #0748	08-16-10	0.2	41.2	15.4	43.2	86.4	1.5	62.7	434	19
Lab #0906	09-15-10	0.2	45.5	11.5	42.8	86.4	1.7	61.1	422	21
Lab #1085	10-19-10	3.2	44.0	11.7	41.1	86.4	1.1	59.1	409	13
Stockpile #2										
Lab #0749	08-16-10	7.6	50.9	8.9	32.6	92.5	0.7	50.7	375	7
Lab #0907	09-15-10	8.0	51.7	8.6	31.7	92.5	0.7	49.8	368	7
Lab #1084	10-19-10	7.7	51.0	9.3	32.0	90.8	1.0	50.3	366	10
Lab #1207	11-11-10	8.7	50.3	8.4	32.6	91.4	1.0	50.2	367	10
NORRIS AGGREGATE PROD. CO.-MAITLAND, MAITLAND, MO										
Stockpile #1										
Lab #0645	07-22-10	3.7	48.3	10.4	37.6	89.2	1.9	55.9	399	21
Lab #0784	08-26-10	5.5	52.0	9.9	32.6	87.9	1.6	51.5	362	16
Lab #1062	10-21-10	5.0	49.8	10.3	34.9	88.3	1.3	53.5	378	14
Stockpile #2										
Lab #0785	08-26-10	4.7	49.3	10.4	35.6	87.0	0.7	54.2	377	8
Lab #1063	10-21-10	4.8	48.6	11.1	35.5	86.3	0.9	54.3	375	10
NORRIS AGGREGATE PROD CO-PRINCETON, PRINCETON, MO										
Stockpile #1										
Lab #1036	10-12-10	0.1	47.4	12.2	40.3	82.6	1.0	59.5	393	12
Lab #1038	10-13-10	0.1	47.6	11.7	40.6	82.5	1.0	59.5	393	12
Lab #1040	10-14-10	0.1	46.0	11.7	42.2	82.3	1.0	60.7	400	12
Lab #1157	11-03-10	0.0	46.0	11.3	42.7	80.3	1.6	61.0	392	20
Lab #1293	12-01-10	0.0	42.3	12.0	45.7	81.7	1.2	63.5	415	15
Stockpile #3										
Lab #0719	08-09-10	8.7	45.2	8.4	37.7	76.1	1.6	54.0	329	17
Lab #0832	09-02-10	9.3	45.8	7.9	37.0	80.6	1.3	53.2	343	14
Lab #0942	09-21-10	8.4	44.9	7.9	38.8	76.3	1.6	54.8	334	18
NORRIS AGGREGATE PROD. CO.- TRENTON, TRENTON, MO										
NORRIS AGGREGATE PRODUCTS-NEW POINT, OREGON, MO										
OSAGE QUARRIES, INC, KINGDOM CITY, MO										
Stockpile #1										
Lab #0657	08-03-10	1.3	48.2	11.2	39.3	94.6	11.2	58.1	439	130
Lab #0930	09-22-10	1.8	45.0	9.0	44.2	94.4	11.3	60.9	460	138
Lab #1232	11-19-10	2.2	42.9	8.3	46.6	87.7	10.6	62.3	437	132
PELLETIZING COMPANY INC, GORDONSVILLE, TN										
PHENIX ROCK, ASH GROVE, MO										
Stockpile #2										
Lab #0873	09-07-10	5.6	49.2	13.6	31.6	96.0	0.1	52.1	400	1
Lab #1056	10-14-10	7.3	50.8	12.0	29.9	95.7	0.1	49.8	381	1
PRESTAGE QUARRIES INC, TIPTON, MO										
Stockpile #1										
Lab #0655	08-03-10	0.2	44.9	10.6	44.3	78.0	6.0	61.9	386	74
Lab #0923	09-21-10	0.1	41.8	13.6	44.5	79.9	4.1	63.1	403	52
Lab #1035	10-14-10	0.0	42.6	13.6	43.8	77.9	4.5	62.6	390	56
Lab #1189	11-10-10	0.0	33.9	11.6	54.5	78.1	6.4	69.9	437	90
PRAIRIE CREEK TERMINAL SERVICES INC, ELWOOD, IL										
ROCK QUARRIES, LLC, MOUNTAIN GROVE, MO										
S & A CONSTRUCTION LTD, ALLENDALE, MO										
SCHILDBERG CONST. CO.-BEDFORD Q., GREENFIELD, IA										
Stockpile #1										
Lab #1061	10-20-10	10.3*	36.4	9.1	44.2	82.5	0.4	58.8	0	0
Stockpile #2										
Lab #0641	07-22-10	2.7	40.4	10.7	46.2	83.4	0.8	62.7	418	10

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
SHILDBERG CONST. CO.-DECATUR QUARRY, GREENFIELD, IA										
Stockpile #1										
Lab #0636	07-21-10	1.9	46.7	11.0	40.4	78.0	1.3	58.7	366	15
Lab #0823	09-02-10	3.9	47.0	10.0	39.1	79.0	1.2	56.9	359	14
Lab #1177	11-09-10	1.6	46.3	10.4	41.7	76.8	1.5	59.5	366	18
Stockpile #2										
Lab #0637	07-21-10	2.8	47.7	9.7	39.8	81.4	1.1	57.5	375	13
Lab #0824	09-02-10	3.1	46.9	10.7	39.3	76.5	1.1	57.4	352	13
Lab #1178	11-09-10	6.7	50.2	8.0	35.1	77.5	1.3	52.5	325	14
SCHILDBERG CONST. CO.-GRAHAM MO Q, GREENFIELD, IA										
Stockpile #1										
Lab #0644	07-22-10	6.4	48.8	10.7	34.1	87.3	0.7	52.7	368	7
Lab #0786	08-26-10	5.0	47.9	10.5	36.6	88.0	0.8	54.9	386	9
Lab #1064	10-21-10	6.7	48.9	10.7	33.7	87.7	0.8	52.3	367	8
SCHILDBERG CONST. CO.-SHAMBAUGH Q, GREENFIELD, IA										
Stockpile #1										
Lab #0642	07-22-10	0.5	44.7	13.4	41.4	85.3	1.4	60.6	414	17
Lab #0819	09-02-10	1.0	41.5	13.7	43.8	88.9	1.4	62.4	444	17
Lab #1060	10-20-10	9.3	40.9	11.5	38.3	85.2	1.2	55.4	378	13
SCHILDBERG CONST. CO.-WATTERSON, GREENFIELD, IA										
Stockpile #1										
Lab #0640	07-21-10	1.1	40.3	9.4	49.2	74.4	1.5	64.9	386	19
Lab #0822	09-02-10	1.0	40.4	10.2	48.4	73.9	2.0	64.6	382	26
Lab #1176	11-09-10	0.4	43.0	10.3	46.3	73.1	1.5	63.2	370	19
SHAWNEE STONE - CYPRESS PLANT, CYPRESS, IL										
SHAWNEE STONE - JONESBORO PLANT, ANNA, IL										
Stockpile #2										
Lab #0707	08-04-10	7.6	47.5	10.0	34.9	97.6	0.4	52.8	412	4
Lab #0839	09-02-10	7.9	46.0	11.1	35.0	96.0	0.2	53.2	408	2
Lab #1042	10-12-10	7.5	45.8	10.3	36.4	98.4	0.5	54.0	425	5
Lab #1240	11-22-10	8.4	35.9	11.5	44.2	98.1	0.5	60.1	471	6
SHELBY CO. STONE, SHELBY, MO										
Stockpile #1										
Lab #0693	08-06-10	2.1	47.8	10.8	39.3	92.9	1.5	57.7	429	17
Lab #0888	09-15-10	3.9	47.8	9.2	39.1	92.2	1.6	56.6	417	18
SIEGEL GRAVEL & EXCAVATING, VERSAILLES, MO										
Stockpile #1										
Lab #0654	08-03-10	4.9	39.2	8.7	47.2	88.0	10.5	62.2	438	131
Lab #0922	09-21-10	4.5	17.2	9.8	68.5	89.5	10.4	78.7	563	164
Lab #1034	10-14-10	2.3	26.4	13.1	58.2	87.8	10.4	72.7	510	151
Lab #1222	11-16-10	7.7	42.6	10.6	39.1	71.2	8.9	56.1	320	100
Lab #1295	12-06-10	7.3	42.6	11.1	39.0	85.2	10.3	56.3	384	116
Stockpile #2										
Lab #1221	11-16-10	1.9	36.9	11.4	49.8	85.1	10.4	65.9	448	137
Lab #1296	12-06-10	4.4	46.9	8.8	39.9	80.9	9.9	56.9	368	113
SCAGGS ROCK-N-LIME, INC., PATTERSON, MO										
Stockpile #3										
Lab #0709	08-09-10	3.2	24.2	30.8	41.8	101.3	11.9	66.3	538	158
Lab #0945	09-21-10	3.1	21.1	31.2	44.6	101.0	11.8	68.6	554	162
Lab #1018	10-04-10	1.8	13.0	34.9	50.3	101.7	11.9	74.5	606	177
Lab #1239	11-16-10	1.8	15.4	29.0	53.8	101.8	12.1	75.1	611	182
SKYLINE MATERIALS - NEWARK, DECORAH, IA										
Stockpile #1										
Lab #0695	08-06-10	6.7	39.8	9.6	43.9	90.9	1.8	59.6	433	21
Lab #1096	10-20-10	6.0	39.8	8.6	45.6	90.6	1.4	60.7	440	17
Lab #1246	11-22-10	5.5	39.8	9.2	45.5	91.9	1.3	61.0	448	16
Stockpile #2										
Lab #0890	09-15-10	7.1	40.0	9.2	43.7	90.0	1.6	59.2	426	19
SKYLINE MATERIALS-GLASGOW, GLASGOW, MO										
Stockpile #1										
Lab #0705	08-10-10	8.6	48.9	7.9	34.6	87.4	5.9	51.6	361	61
Lab #0880	09-13-10	8.6	47.6	8.4	35.4	87.4	4.9	52.3	366	51
Lab #0958	09-30-10	7.5	44.7	8.2	39.6	88.3	4.4	55.7	393	49
Lab #1142	11-03-10	9.5	46.6	8.2	35.7	90.0	5.4	52.3	376	56
Lab #1333	12-13-10	4.2	49.3	9.3	37.2	86.7	6.0	55.1	382	66
SOUTH CENTRAL COOP, CAINSVILLE, MO										
Stockpile #1										
Lab #0831	09-02-10	0.3	0.5	1.4	97.8	93.4	0.2	98.8	738	4
Lab #0941	09-21-10	0.0	0.5	1.4	98.1	93.3	0.2	99.1	739	4
Lab #1083	10-19-10	0.0	0.5	0.6	98.9	92.4	0.1	99.4	735	2
Lab #1336	12-15-10	0.0	0.3	0.1	99.6	92.5	0.2	99.7	738	4

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AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
SMASAL AGGREGATE, LINCOLN, MO										
Stockpile #1										
Lab #0806	08-24-10	1.7	44.1	12.7	41.5	93.5	1.3	60.1	450	16
Lab #0953	09-23-10	0.6	45.5	15.2	38.7	96.3	1.3	59.2	456	15
Lab #1112	10-26-10	0.5	45.6	17.4	36.5	93.9	0.6	58.3	438	7
Lab #1266	11-30-10	0.3	46.9	12.7	40.1	96.3	2.2	59.4	458	26
SPRINGFIELD UNDERGROUND, INC., SPRINGFIELD, MO										
Stockpile #2										
Lab #1219	11-09-10	0.5	16.2	14.7	68.6	98.1	0.1	81.5	639	2
S-S-S INC, LOUISIANA, MO										
Stockpile #1										
Lab #0683	08-02-10	4.6	43.2	10.7	41.5	95.1	0.2	58.7	447	2
Lab #0864	09-03-10	4.5	44.9	11.5	39.1	95.3	0.3	57.2	436	3
Lab #1005	10-07-10	3.5	48.8	12.1	35.6	98.5	0.1	55.1	434	1
Lab #1273	11-29-10	4.6	45.6	10.5	39.3	95.4	0.2	57.0	435	2
STOCKMAN QUARRY, LLC, JEFFERSON CITY, MO										
Stockpile #2										
Lab #0825	08-30-10	1.8	41.7	10.7	45.8	90.0	10.7	62.6	451	134
Lab #0965	09-30-10	1.9	42.8	9.7	45.6	90.0	10.7	62.1	447	133
Lab #1229	11-18-10	1.1	41.8	10.0	47.1	90.4	10.9	63.6	460	139
STRACK STONE, CAPE GIRARDEAU, MO										
STRACK STONE CO. - LODI, LLC, CAPE GIRARDEAU, MO										
TABLE ROCK ASPHALT CONST CO INC, BRANSON, MO										
Stockpile #1										
Lab #0913	09-15-10	2.2	56.2	7.3	34.3	84.3	9.9	52.7	356	104
Lab #1077	10-19-10	1.9	50.4	8.9	38.8	82.2	9.5	56.7	373	108
Stockpile #2										
Lab #0912	09-15-10	0.1	0.3	0.8	98.8	70.8	1.8	99.4	563	36
Lab #1076	10-19-10	0.0	0.7	2.4	96.9	66.7	1.2	98.5	526	24
TAYLOR QUARRIES, LOCKWOOD, MO										
Stockpile #1										
Lab #1054	10-13-10	0.6	48.2	15.1	36.1	97.1	0.6	57.2	444	7
Lab #1332	12-16-10	0.0	46.8	14.4	38.8	96.2	0.8	59.1	455	9
TOWER ROCK STONE CO, SCOTT CITY, MO										
TOWER ROCK STONE CO, STE GENEVIEVE, MO										
Stockpile #1										
Lab #0795	08-25-10	3.9	49.2	11.8	35.1	99.5	6.2	54.5	434	68
Lab #1191	11-10-10	0.4	42.5	14.7	42.4	97.8	1.5	61.8	484	19
Lab #1303	12-07-10	0.0	36.6	17.1	46.3	97.8	0.9	65.7	514	12
Stockpile #2										
Lab #0794	08-25-10	0.4	46.5	13.4	39.7	95.5	7.6	59.4	454	90
Lab #1192	11-10-10	0.0	48.0	14.9	37.1	95.7	7.7	58.0	444	89
Lab #1302	12-07-10	0.2	44.4	18.5	36.9	95.5	6.0	59.1	452	71
Stockpile #3										
Lab #0796	08-25-10	1.1	39.3	21.4	38.2	97.2	0.4	60.9	473	5
Lab #1193	11-10-10	1.4	29.0	20.7	48.9	97.7	0.3	68.6	536	4
Lab #1304	12-07-10	1.1	37.4	18.3	43.2	97.2	0.8	63.5	494	10
Stockpile #5										
Lab #1194	11-10-10	4.9	49.2	13.2	32.7	91.3	0.4	52.9	387	4
TRAGER LIMESTONE-NETTLETON, CHILLICOTHE, MO										
Stockpile #1										
Lab #0755	08-17-10	0.1	49.6	10.9	39.4	78.4	1.3	58.3	366	15
Stockpile #5										
Lab #0871	09-09-10	0.1	47.0	11.7	41.2	74.8	1.4	60.0	359	17
Lab #1081	10-18-10	0.1	50.7	11.2	38.0	79.8	0.8	57.4	366	9
Lab #1206	11-09-10	0.5	43.3	10.4	45.8	77.0	1.1	62.9	387	14
Lab #1339	12-16-10	0.1	50.8	10.9	38.2	78.7	0.8	57.4	362	9
TRAGER LIMESTONE LLC-GALLATIN, CHILLOTHIE, MO										
Stockpile #1										
Lab #0754	08-17-10	0.2	52.1	10.6	37.1	70.9	1.2	56.5	320	14
Lab #0837	09-03-10	0.7	48.9	9.0	41.4	72.2	1.2	59.0	341	14
Lab #0944	09-23-10	0.7	44.7	11.7	42.9	73.9	1.2	61.1	361	15
Lab #1103	10-26-10	0.0	52.4	10.3	37.3	71.6	1.2	56.6	324	14
Lab #1291	11-29-10	0.7	48.7	10.5	40.1	70.8	1.2	58.6	332	14
TWIN LAKES QUARRIES INC, MOUNTAIN HOME, AR										
Stockpile #1										
Lab #0776	08-18-10	4.9	56.3	7.4	31.4	88.3	10.4	49.9	353	104
Lab #0914	09-16-10	4.7	54.4	7.7	33.2	87.8	10.3	51.4	361	106
Lab #1002	10-05-10	5.8	54.1	7.9	32.2	88.7	10.5	50.5	358	106

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM

JULY 1 THROUGH DECEMBER 31, 2010

Distributor	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
UEHLIN QUARRY, AMAZONIA, MO										
Stockpile #1										
Lab #0647	07-22-10	2.6	41.4	12.4	43.6	75.3	2.0	61.4	370	25
Lab #0783	08-26-10	2.3	40.3	11.7	45.7	74.9	1.9	62.8	376	24
Lab #1071	10-21-10	4.8	44.2	10.3	40.7	75.2	1.9	57.9	349	22
UNITED SUPPLIERS, ELDORA, IA										
VAN BUREN STONE c/o GIBBS TRUCKING, VAN BUREN, MO										
WADE AG PRODUCTS-MAIN OFC, LACYGNE, KS										
Stockpile #2										
Lab #0804	08-23-10	4.1	48.2	10.1	37.6	85.5	0.5	55.7	381	6
Lab #0988	09-28-10	4.2	58.3	10.8	26.7	91.9	0.6	47.8	351	6
Lab #1119	10-28-10	4.7	49.1	9.5	36.7	87.9	0.6	54.7	384	7
Lab #1235	11-18-10	4.6	50.2	10.4	34.8	90.5	0.5	53.6	388	5
Lab #1347	12-16-10	5.6	44.5	9.4	40.5	88.6	0.3	57.3	406	3
Stockpile #3										
Lab #0989	09-28-10	2.8	50.8	11.4	35.0	91.3	0.5	54.5	398	5
Lab #1120	10-28-10	4.6	49.8	12.5	33.1	88.7	0.6	53.1	376	6
Lab #1236	11-18-10	3.7	52.6	10.6	33.1	92.9	0.4	52.6	391	4
Lab #1348	12-16-10	4.2	53.2	9.9	32.7	89.7	0.4	51.9	373	4
WADE AG PRODUCTS Q DREXEL, LACYGNE, KS										
Stockpile #1										
Lab #0758	08-19-10	7.5	53.1	9.9	29.5	86.4	1.3	48.7	337	13
Lab #0917	09-16-10	7.8	53.8	10.0	28.4	85.6	1.3	47.9	328	12
Lab #1182	11-01-10	7.5	53.8	10.6	28.1	86.9	1.3	47.9	333	12
Lab #1268	12-01-10	7.8	52.5	9.5	30.2	83.6	1.4	49.0	328	14
WASHINGTON COUNTY AGGREGATES, INC., POTOSI, MO										
Stockpile #1										
Lab #1010	10-05-10	0.7	34.7	15.2	49.4	96.9	11.7	67.2	521	157
Lab #1315	12-08-10	0.9	39.2	15.1	44.8	99.6	12.3	63.7	507	157
Stockpile #2										
Lab #1011	10-05-10	7.5	34.4	14.0	44.1	96.4	11.2	61.1	471	137
FRED WEBER INC.-AUBURN QUARRY, ELSBERRY, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Stockpile #1										
Lab #0768	08-17-10	0.1	3.3	5.5	91.1	90.6	2.0	95.2	690	38
Lab #0924	09-20-10	0.4	4.4	5.9	89.3	90.0	1.9	93.9	676	36
FRED WEBER, INC - FESTUS STONE, FESTUS, MO										
Stockpile #3										
Lab #1190	11-10-10	29.3*	41.8	5.9	23.0	93.7	1.1	37.0	0	0
FRED WEBER, INC - FOLEY QUARRY, FOLEY, MO										
FRED WEBER, INC.-NEW MELLE STONE, NEW MELLE, MO										
Stockpile #1										
Lab #1241	11-22-10	6.0	19.1	11.2	63.7	94.2	2.4	75.2	567	36
FRED WEBER INC-NORTH QUARRY, MARYLAND HEIGHTS, MO										
Stockpile #1										
Lab #0793	08-24-10	6.1	19.2	11.2	63.5	95.8	2.5	75.0	575	38
Lab #1185	11-04-10	1.7	24.7	16.0	57.6	92.1	2.1	73.4	541	31
FRED WEBER, INC. - SOUTH STONE, ST. LOUIS, MO										
WHITE ROCK QUARRIES OF LINCOLN CO, ELSBERRY, MO										
Stockpile #1										
Lab #0766	08-16-10	1.1	49.2	11.6	38.1	97.2	0.2	57.4	446	2
Lab #0867	09-07-10	1.9	47.5	13.0	37.6	97.1	0.1	57.3	445	1
Lab #1027	10-15-10	1.9	46.7	12.0	39.4	96.7	0.4	58.3	451	5
Lab #1274	11-29-10	2.0	50.5	12.4	35.1	96.2	0.4	55.2	425	4
WILKERSON BROS QUARRY, PARIS, MO										
Stockpile #1										
Lab #0652	07-22-10	2.3	40.3	13.1	44.3	94.7	4.3	62.2	471	54
Lab #0691	08-05-10	2.6	43.2	12.7	41.5	95.1	4.4	59.9	456	53
Lab #0861	09-02-10	4.8	46.9	11.0	37.3	95.1	3.8	55.6	423	42
Lab #0978	10-01-10	8.0	46.2	10.7	35.1	86.3	1.8	53.1	366	19
Lab #1152	11-03-10	1.0	41.4	13.3	44.3	92.8	2.9	62.6	465	36
Stockpile #2										
Lab #0653	07-22-10	2.1	38.9	13.2	45.8	96.2	4.6	63.4	488	58
Lab #0692	08-05-10	1.8	44.5	13.9	39.8	94.9	3.8	59.3	450	45
Lab #0862	09-02-10	1.4	42.8	14.4	41.4	94.0	4.1	60.7	457	50
Lab #0979	10-01-10	2.2	46.2	13.0	38.6	89.0	1.8	58.0	413	21
Lab #1167	11-03-10	3.3	48.6	11.9	36.2	85.2	1.8	55.5	378	20

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TABLE 1

AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

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 #0763	08-18-10	0.0	0.4	2.2	97.4	85.8	10.3	98.8	678	204
Lab #0987	09-27-10	0.4	0.5	2.4	96.7	86.4	10.1	98.3	679	198
Lab #1215	11-09-10	0.0	0.6	2.7	96.7	86.7	10.4	98.5	683	205
WILLARD ASPHALT PAVING, - #19, LEBANON, MO										
Stockpile #1										
Lab #0740	08-16-10	0.0	0.6	1.5	97.9	85.9	9.8	99.0	680	194
Lab #0934	09-23-10	0.1	1.7	2.8	95.4	80.6	9.7	97.5	629	189
WILLARD QUARRY-SLEEPER, LEBANON, MO										
WILLARD QUARRIES- ST ROBERT, LEBANON, MO										
Stockpile #1										
Lab #0739	08-16-10	6.5	44.0	15.2	34.3	95.1	10.9	54.4	414	119
Lab #0933	09-23-10	5.3	43.0	16.3	35.4	93.7	11.2	55.9	419	125
WILLIAMSVILLE STONE CO, POPLAR BLUFF, MO										
Stockpile #1										
Lab #0710	08-12-10	0.7	34.3	15.2	49.8	96.8	11.3	67.5	523	153
Lab #0946	09-21-10	0.7	31.8	14.0	53.5	92.3	10.9	69.9	516	152
Lab #1093	10-21-10	2.1	34.1	13.1	50.7	91.3	11.1	67.1	490	149

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TABLE 2

AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

Dealer and Producer	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
AG CHOICE, ROCK PORT, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1122	10-22-10	0.1	1.0	2.8	96.1	89.2	0.7	98.0	700	14
AGRISERVICE OF BRUNSWICK, L.L.C., BRUNSWICK, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Lab #1140	11-01-10	0.0	2.4	4.3	93.3	87.5	1.4	96.5	675	27
BAKER SERVICES, ATCHISON, KS										
MK MINERALS INC., WATHENA, KS										
Lab #1126	10-26-10	0.1	1.4	3.8	94.7	87.9	0.7	97.3	684	14
BEAUFORT FEED STORE, BEAUFORT, MO										
BEAUFORT FEED STORE, BEAUFORT, MO										
Lab #0926	09-21-10	0.0	0.8	4.3	94.9	97.7	5.3	97.7	763	104
BOLIVAR FARMERS EXCHANGE, BOLIVAR, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0732	08-09-10	0.1	16.2	18.2	65.5	97.1	0.2	80.5	625	3
CRAIG SUPPLY, CRAIG, MO										
MO VALLEY GRAIN & PELLETIZING, MISSOURI VALLEY, IA										
Lab #1131	10-29-10	0.2	20.4	12.5	66.9	88.2	0.4	79.5	561	6
DAVIS FERTILIZER, GRAHAM, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1065	10-21-10	0.0	2.4	3.6	94.0	87.2	0.7	96.8	675	14
DUNCAN AGRI SERVICE, SAVANNAH, MO										
CITY OF ST. JOSEPH-WATER TREATMENT, ST JOSEPH, MO										
Lab #1067	10-21-10	0.4	19.2	10.3	70.1	88.2	0.4	81.1	572	6
FARMERS PRODUCERS EXCHANGE-CONWAY, LEBANON, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0735	08-12-10	0.1	16.4	18.4	65.1	96.2	0.2	80.2	618	3
FOWLER ELEVATOR INC, NEWTOWN, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0779	08-23-10	1.7	9.6	7.6	81.1	89.0	2.6	88.1	627	46
Lab #0973	09-28-10	0.1	3.3	4.6	92.0	87.6	0.6	95.6	670	11
FOWLER ELEVATOR -EAST, UNIONVILLE, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1154	11-01-10	0.0	1.0	3.1	95.9	89.1	0.7	98.0	699	14
GAGE'S FERTILIZER & GRAIN INC, BETHANY, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1009	10-07-10	0.0	1.1	3.7	95.2	90.1	0.7	97.7	704	14
GAGE'S FERTILIZER & GRAIN INC, SKIDMORE, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1144	11-01-10	0.0	1.0	3.4	95.6	88.4	0.7	97.9	692	14
GIBSON LIME CO-DEXTER, DEXTER, MO										
SHAWNEE STONE - JONESBORO PLANT, ANNA, IL										
Lab #0949	09-23-10	9.6	45.0	10.6	34.8	98.6	0.3	52.4	413	3
SCAGGS ROCK-N-LIME, INC., PATTERSON, MO										
Lab #0947	09-23-10	4.8	15.7	33.1	46.4	101.5	12.0	70.2	570	168
WILLIAMSVILLE STONE CO, POPLAR BLUFF, MO										
Lab #0948	09-21-10	0.7	36.6	13.2	49.5	93.1	11.0	66.6	496	146
HAWK FERTILIZER, BOLIVAR, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0733	08-09-10	0.3	15.5	17.6	66.6	96.9	0.2	81.0	628	3
HEIMSOOTH AG SERVICE, CORDER, MO										
MID-MISSOURI LIMESTONE, INC.-HOUSTO, KINGDOM CITY, MO										
Lab #0881	09-13-10	4.7	49.4	10.6	35.3	86.7	0.7	54.0	375	8
APAC-MISSOURI, INC. - MARSHALL, MARSHALL, MO										
Lab #1053	10-12-10	3.6	50.7	12.1	33.6	84.7	0.7	53.5	363	7
LOUIS HERZTING JR, FREEBURG, MO										
SPRINGFIELD UNDERGROUND, INC., SPRINGFIELD, MO										
Lab #0656	08-03-10	0.1	12.3	15.3	72.3	96.6	0.3	84.6	653	5
Lab #0937	09-24-10	0.0	12.9	15.5	71.6	97.4	0.3	84.1	656	5
Lab #1301	12-06-10	0.3	13.2	15.2	71.3	96.2	0.3	83.7	644	5
HOFFMAN & REED INC, TRENTON, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0720	08-09-10	0.1	0.8	2.8	96.3	89.7	0.7	98.2	705	14
Lab #1205	11-09-10	0.1	2.1	3.5	94.3	88.1	0.7	96.9	683	14
KINDER PLANT FOOD, LICKING, MO										
WILLARD ASPHALT PAVING,- #19, LEBANON, MO										
Lab #1162	11-01-10	0.7	1.2	1.8	96.3	82.3	10.0	97.7	643	195
LINNEMAN LIME & FERT, SALISBURY, MO										
NORRIS AGGREGATE PRODUCTS CO - EAST, HUNTSVILLE, MO										
Lab #1092	10-20-10	6.4	51.1	12.0	30.5	92.6	0.6	50.5	374	6
Lab #1250	11-23-10	8.4	50.4	11.6	29.6	91.9	0.5	49.2	361	5

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TABLE 2

AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

Dealer and Producer	Date Sampled	U.S. Sieve Fraction, %				%CCE	%Mg	Fineness Factor	Pounds/Ton	
		+8	-8+40	-40+60	-60				ENM	EMg
LOHMAN PRODUCERS EXCHANGE, LOHMAN, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0730	08-12-10	0.1	5.5	6.4	88.0	88.7	1.7	93.2	661	32
Lab #1073	10-22-10	0.0	4.2	5.8	90.0	89.2	1.9	94.5	675	36
MFA AGRI SERVICE, KIRKSVILLE, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0667	08-03-10	0.1	5.1	6.8	88.0	86.9	1.6	93.4	649	30
MFA AGRI SERVICE, KIRKSVILLE, MO										
Lab #1089	10-20-10	0.4	4.4	6.0	89.2	88.5	1.9	93.9	665	36
MFA EXCHANGE, CHAMOI, MO										
HIGGINS QUARRY, LLC, LOOSE CREEK, MO										
Lab #1029	10-11-10	0.6	47.4	9.0	43.0	88.5	10.7	60.3	427	129
MFA EXCHANGE, META, MO										
HIGGINS QUARRY, LLC, LOOSE CREEK, MO										
Lab #0896	09-14-10	0.8	50.4	8.7	40.1	89.2	10.9	57.9	413	126
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #1200	11-12-10	0.0	3.7	6.4	89.9	89.4	1.8	94.7	677	34
MFA AGRI SERVICE, ALBANY, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1130	10-28-10	0.0	1.0	2.7	96.3	88.5	0.7	98.2	695	14
MFA AGRI SERVICE, BETHANY, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1007	10-07-10	0.0	2.5	4.5	93.0	87.8	0.6	96.3	677	12
MFA AGRI SERVICE, BROOKFIELD, MO										
MK MINERALS INC., WATHENA, KS										
Lab #0672	08-05-10	0.0	3.0	4.7	92.3	89.4	0.8	95.9	686	15
Lab #0905	09-14-10	0.0	3.6	5.5	90.9	88.8	1.0	95.1	676	19
Lab #1292	11-30-10	0.2	1.5	3.4	94.9	88.4	0.7	97.3	688	14
MFA AGRI SERVICE, BROWNING, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #1091	10-21-10	0.0	1.1	3.4	95.5	84.7	0.7	97.8	663	14
MFA AGRI SERVICE, CALIFORNIA, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Lab #0884	09-15-10	0.3	5.2	6.2	88.3	89.7	1.9	93.3	670	35
MFA AGRI SERVICE, COLE CAMP, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Lab #0829	08-30-10	0.2	2.3	4.9	92.6	89.1	1.6	96.1	685	31
MFA AGRI SERVICES, FARMINGTON, MO										
MFA INC, COLUMBIA, MO										
Lab #1310	12-08-10	0.1	5.4	7.0	87.5	89.6	1.5	93.1	667	28
MFA AGRI SERVICE-WEST, HALE, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1156	11-02-10	0.0	0.8	3.4	95.8	89.3	0.7	98.0	700	14
MFA AGRI SERVICE, JEFFERSON CITY, MO										
MFA INC, COLUMBIA, MO										
Lab #0963	09-27-10	0.1	4.7	6.9	88.3	90.4	1.9	93.6	677	36
MFA AGRI SERVICE, LANCASTER, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #1090	10-20-10	0.4	5.6	6.5	87.5	89.5	1.8	92.8	664	33
Lab #1153	11-01-10	0.0	7.0	7.1	85.9	89.7	1.8	91.9	660	33
Lab #1335	12-13-10	0.2	7.9	9.2	82.7	89.1	1.7	90.2	643	31
FARMERS PRODUCE EXCHANGE, LEBANON, MO										
CONCO QUARRIES INC Q US 160, WILLARD, MO										
Lab #0762	08-18-10	0.3	16.9	18.7	64.1	97.4	0.3	79.5	620	5
Lab #0986	09-27-10	0.1	15.0	18.3	66.6	97.1	0.5	81.3	632	8
Lab #1214	11-09-10	0.5	13.2	15.9	70.4	96.8	0.2	83.2	645	3
MFA AGRI SERVICE, MACON, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #1086	10-20-10	0.1	3.8	6.1	90.0	88.5	1.9	94.6	670	36
MFA AGRI SERVICE, MILAN, MO										
MFA AGRI SERVICE, MILAN, MO										
Lab #0909	09-16-10	0.1	0.9	3.2	95.8	89.3	0.6	97.9	700	12
MFA AGRI SERVICE, ODESSA, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1186	11-08-10	0.0	0.7	3.2	96.1	88.9	0.7	98.2	698	14
MFA AGRI SERVICE, OWENSVILLE, MO										
MFA INC, COLUMBIA, MO										
Lab #0898	09-15-10	0.0	6.1	6.9	87.0	89.0	1.8	92.7	660	33
MISSOURI LIME AND MATERIAL CO., INC, EUREKA, MO										
Lab #0725	08-10-10	0.0	0.9	5.1	94.0	97.3	4.6	97.3	757	90
Lab #1134	10-26-10	0.1	0.7	2.4	96.8	97.0	5.6	98.4	764	110

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TABLE 2

AGRICULTURAL LIMING MATERIALS SAMPLED FROM
JULY 1 THROUGH DECEMBER 31, 2010

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 SERVICES, ROLLA, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Lab #1137	10-28-10	0.0	3.9	5.3	90.8	90.0	1.9	95.0	684	36
MFA EXCHANGE, SALEM, MO										
FRED WEBER INC.-BLUFF CITY MINERALS, ALTON, IL										
Lab #1032	10-12-10	4.3	20.9	31.1	43.7	102.1	12.0	67.6	552	162
MFA EXCHANGE, SALEM, MO										
Lab #1033	10-12-10	1.4	35.0	15.1	48.5	97.6	12.0	66.3	518	159
MFA AGRI SERVICE, TRENTON, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #0943	09-21-10	0.4	1.2	3.3	95.1	88.3	0.6	97.4	688	12
Lab #1106	10-28-10	0.0	0.8	3.2	96.0	89.1	0.6	98.1	699	12
NORTHWEST FERTILIZER, MOUND CITY, MO										
MO VALLEY GRAIN & PELLETIZING, MISSOURI VALLEY, IA										
Lab #1143	11-01-10	0.4	22.6	10.3	66.7	88.4	0.4	78.5	555	6
LEO O'LAUGHLIN, MACON, MO										
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Lab #0669	08-04-10	1.1	30.2	13.1	55.6	93.8	0.8	71.0	533	11
Lab #0910	09-17-10	3.8	33.8	12.6	49.8	92.7	0.9	65.8	488	12
Lab #1087	10-20-10	2.5	34.1	12.9	50.5	92.0	0.8	66.8	491	11
Lab #1223	11-15-10	4.6	41.3	9.7	44.4	84.2	1.2	60.5	408	15
Lab #1294	12-03-10	1.2	32.9	13.7	52.2	90.3	0.5	68.6	496	7
LEO O'LAUGHLIN INC, MARCELINE, MO										
SHELBY CO. STONE, SHELBY, MO										
Lab #0671	08-04-10	5.6	41.1	10.9	42.4	87.4	1.4	59.2	414	17
Lab #0904	09-14-10	5.7	40.8	9.5	44.0	87.8	1.4	59.9	421	17
Lab #0972	10-01-10	5.5	43.1	9.7	41.7	87.7	1.4	58.3	409	16
Lab #1204	11-08-10	6.3	41.6	10.2	41.9	87.7	1.4	58.4	410	16
CENTRAL STONE COMPANY - HUNTINGTON, HANNIBAL, MO										
Lab #0670	08-04-10	1.6	34.7	12.4	51.3	93.0	0.5	67.4	502	7
Lab #0903	09-14-10	0.5	31.4	15.9	52.2	88.3	0.3	69.6	492	4
Lab #0971	10-01-10	0.1	27.8	15.7	56.4	91.1	0.3	72.8	530	4
Lab #1203	11-08-10	0.3	31.2	14.6	53.9	91.8	0.5	70.5	517	7
RICHLAND PLANT FOODS, RICHLAND, MO										
RICHLAND PLANT FOODS, RICHLAND, MO										
Lab #0931	09-23-10	0.0	12.7	15.1	72.2	96.7	0.3	84.4	653	5
SKYLINE MATERIALS, LA PLATA, MO										
SKYLINE MATERIALS - NEWARK, DECORAH, IA										
Lab #0723	08-12-10	7.1	39.7	8.6	44.6	90.2	1.9	59.7	431	23
Lab #0838	08-31-10	6.5	38.9	9.0	45.6	88.7	1.7	60.7	431	21
Lab #1006	10-05-10	7.1	37.8	9.2	45.9	91.1	1.6	60.9	444	19
Lab #1088	10-20-10	7.2	39.1	9.2	44.5	91.1	1.7	59.8	436	20
Lab #1201	11-08-10	6.4	39.6	9.3	44.7	91.2	1.5	60.2	439	18
SKYLINE MATERIALS, MARCELINE, MO										
SKYLINE MATERIALS-GLASGOW, GLASGOW, MO										
Lab #1202	11-08-10	6.0	45.3	7.2	38.9	87.7	6.0	54.5	383	65
STOCKMAN FEED & FERTILIZER, JEFFERSON CITY, MO										
LANGE STEGMANN FERTILZIER, ST LOUIS, MO										
Lab #0660	08-09-10	0.3	3.7	5.7	90.3	89.8	1.4	94.6	680	27
SUR-GRO PLANT FOOD, FOREST CITY, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1125	10-26-10	0.0	0.9	2.8	96.3	88.0	0.7	98.2	691	14
SUR-GRO PLANT FOOD, SHERIDAN, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1146	11-01-10	0.0	1.2	3.2	95.6	86.9	0.7	97.8	680	14
WASHINGTON COUNTY FARM SUPPLY, BELGRADE, MO										
LANGE STEGMANN FERTILZIER, ST LOUIS, MO										
Lab #1012	10-05-10	0.7	8.7	7.2	83.4	89.0	1.9	89.9	640	34
WORTHINGTON AG SERVICE, WORTHINGTON, MO										
KELLY LIMESTONE LLC, KIRKSVILLE, MO										
Lab #1334	12-13-10	1.8	19.7	9.5	69.0	88.1	1.6	79.6	561	25
SUR-GRO PLANT FOOD, BURLINGTON JCT, MO										
MK MINERALS INC., WATHENA, KS										
Lab #1147	11-03-10	0.0	0.6	2.8	96.6	89.1	0.8	98.4	702	16

EXAMPLES OF FINENESS FACTOR CALCULATION, ENM AND EMgDERIVATION OF FINENESS FACTOREXAMPLE

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)

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

DRY AG LIME

% 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

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)

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

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
FY10 Income & Disbursements**

	Ag Lime Fees	Fertilizer Fees	Other	Combined
CARRYFORWARD FY08				
Contingency			558,440.31	558,440.31
Other			<u>241,536.00</u>	<u>241,536.00</u>
Total Carryforward Available			<u>799,976.31</u>	<u>799,976.31</u>
REVENUE				
Tonnage Fees	75,877.53	825,184.41		901,061.94
Audits	259.24	148,462.77		148,722.01
Permit Fees	20,600.00	114,200.00		134,800.00
Deficiency Payments	0.00	24,366.60		24,366.60
Late Payment Fees	1,737.68	11,994.21		13,731.89
Total Revenue Available	<u>98,474.45</u>	<u>1,124,207.99</u>		<u>1,222,682.44</u>
Total Funds Available	<u>98,474.45</u>	<u>1,124,207.99</u>	<u>799,976.31</u>	<u>2,022,658.75</u>
DISBURSEMENTS				
Inspection Services				532,821.30
Analytical Services				396,281.41
Experiment Station Chem Lab Support ¹				57,826.70
Special Equipment Reserve ²				35,000.00
Annual Research Report				5,871.42
Research Proposals Funded				
FY08 Continuing Proposals				93,390.00
FY09 Continuing Proposals				144,131.00
FY10 New Proposals				143,746.00
Total Disbursements				<u>1,409,067.83</u>
CONTINGENCY				
Contingency Funds Held in Reserve				68,000.00
Unencumbered Funds ³				394,029.05
Funds Available in Expenditure Accounts				<u>151,561.87</u>
Total Contingency				<u>613,590.92</u>
Total Disbursements/Contingency				<u>2,022,658.75</u>

Footnotes:

¹ S&W support to Experiment Station Chem Lab administrative personnel

² 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.

³ 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

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This report also available on the web at:

[HTTP://aes.missouri.edu/pfcs/aglime/index.stm](http://aes.missouri.edu/pfcs/aglime/index.stm)