

UNIVERSITY OF MISSOURI-COLUMBIA

Agricultural Experiment Station

MISSOURI FERTILIZER TONNAGE REPORT, 2010-11

FERTILIZER MATERIALS

<u>NITROGEN MATERIALS</u>	<u>FALL</u>	<u>SPRING</u>
Ammonium Sulfate	13,151*	28,648*
Amm. Thiosulfate	1,214*	8,601*
N. Solutions (26-32%)	39,525*	136,355*
Ammonium Nitrate	46,575*	99,186*
Urea	38,114*	178,534*
Anhydrous Ammonia	95,651	134,401
Other	4,189	12,947
TOTAL	<u>238,419</u>	<u>598,672</u>

<u>PHOSPHATIC MATERIALS</u>	<u>FALL</u>	<u>SPRING</u>
Conc. Superphosphate	7,289*	6,615*
Phosphoric Acid	81*	91*
Rock Phosphate	79	320
Other	73	712
TOTAL	<u>7,522</u>	<u>7,738</u>

<u>POTASH MATERIALS</u>	<u>FALL</u>	<u>SPRING</u>
Muriate of Potash	203,654*	213,749*
Other	1,682	3,783
TOTAL	<u>205,336</u>	<u>217,532</u>

<u>MISC. MATERIALS</u>	<u>FALL</u>	<u>SPRING</u>
Organics	7,766	26,203
Other	93,949	122,939
TOTAL	<u>101,715</u>	<u>149,142</u>

<u>TOTAL MATERIALS</u>	<u>FALL</u>	<u>SPRING</u>
	<u>552,992</u>	<u>973,084</u>

DRY MIXED FERTILIZERS

<u>BAGGED FERTILIZER</u>			<u>BULK MANUFACTURED</u>		
<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>	<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>
<1-1-1	1,461	32,600	0-18-36	22	18
6-24-24	167	210	2.5-3.9-3.04	---	6,300
12-0-3	66	704	3-2-3	---	293
12-12-12	186	1,475	4-3-2	143	997
13-13-13	846	1,725	6-15.3-27.3	117	117
15-0-05	141	440	6.5-.55-.45	1,375	956
17-02-03	228	609	9-23-30	765	632
20-10-10	117	238	12-40-0	4,014	4,313
25-0-5	537	845	13-40-0	---	129
28-1-4	8	832	17-17-17	2	47
30-0-4	265	164	18.7-5.9-22.5	---	882
32-0-4	151	228	19-19-19	---	211
32-3-8	128	50	28-13-13	---	244
Misc.	7,483	14,520	Misc.	3,899	2,349
TOTAL	<u>11,784</u>	<u>54,640</u>	TOTAL	<u>10,337</u>	<u>17,488</u>

<u>AMMONIUM PHOSPHATES</u>					
<u>BAGGED FERTILIZER</u>			<u>BULK FERTILIZER</u>		
<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>	<u>FALL</u>	<u>SPRING</u>	<u>SPRING</u>
11-52-0	---	1	64,517*	50,461*	
18-46-0	---	3	114,733*	127,545*	
TOTAL	<u>---</u>	<u>4</u>	<u>179,250</u>	<u>178,006</u>	

<u>TOTAL MIXED FERTILIZER</u>	<u>FALL</u>	<u>SPRING</u>
	221,670	278,383
<u>TOTAL ALL FERTILIZERS</u>	774,662	1,251,467

<u>GRAND TOTAL</u>	<u>FALL</u>	<u>SPRING</u>
	<u>2,026,129</u>	

LIQUID MIXED FERTILIZERS

<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>
2-6-32	4	513
3-9-27	---	480
3-10-30	1,170	869
3-18-18	1,397	4,170
4-10-10	25	277
5-0-20	322	41
5-1-0	12,178	11,343
5-15-15	---	85
6-24-6	968	1,264
8-24-0	---	458
9-18-9	75	576
10-15-10	---	---
10-20-10	10	261
10-30-0	663	652
10-34-0	1,447	2,674
10.6-36-0	249	380
11-33-0	31	985
11-37-0	655	494
Misc.	1,105	2,724
TOTAL	<u>20,299</u>	<u>28,246</u>

PRINCIPAL BLENDING MATERIALS (Approximate Tons Used in Blends)

	<u>FALL</u>	<u>SPRING</u>
Ammonium Nitrate	37,260	79,349
Urea	30,491	142,827
Amm Phosphates	143,400	145,855
Conc. Phosphates	5,831	5,292
Muriate of Potash	162,923	170,999

* Includes tonnage reported as materials but blended prior to application

RECENT FERTILIZER SALES TRENDS IN MISSOURI

	% OF TOTAL SALES							
	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
BAGGED FERTILIZERS								
Mixtures	4.7	6.7	4.3	3.5	3.8	5.8	2.6	3.6
Materials	1.0	1.6	0.6	0.6	0.7	1.6	1.3	1.3
TOTALS	<u>5.7</u>	<u>8.3</u>	<u>4.9</u>	<u>4.1</u>	<u>4.5</u>	<u>7.4</u>	<u>3.9</u>	<u>4.9</u>
BULK DRY FERTILIZERS								
Blends	53.6	51.0	46.0	50.4	50.4	39.8	48.1	48.0
Mfg'd. Mixtures	2.4	1.8	1.8	0.9	0.8	1.1	2.5	1.3
Dir. Appl. Material	13.4	12.8	11.5	12.6	12.6	10.0	12.0	12.0
TOTALS	<u>69.4</u>	<u>65.6</u>	<u>59.3</u>	<u>63.9</u>	<u>63.8</u>	<u>50.9</u>	<u>62.6</u>	<u>61.3</u>
LIQUID FERTILIZERS								
Mixtures	4.6	4.7	16.2	9.4	10.6	2.8	11.6	13.2
Nitrogen Solutions	13.5	13.1	12.2	14.4	12.2	27.9	11.9	9.3
Anhydrous Ammonia	6.8	8.3	7.4	8.2	8.9	11.0	10.0	11.3
TOTALS	<u>24.9</u>	<u>26.1</u>	<u>35.8</u>	<u>32.0</u>	<u>31.7</u>	<u>41.7</u>	<u>33.5</u>	<u>33.8</u>
TOTAL TONS	2,179,272	1,990,041	1,964,409	2,245,484	1,919,138	1,544,442	1,839,832	2,026,129

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2010

Counties	Total All Fertilizers	MIXED FERTILIZER				FERTILIZER MATERIALS								PLANT FOOD		
		Bagged	Bulk Dry	Liquid	Total Mixed Fert.	Potash	Phosphate	AMM Phos	Ammonium Nitrate	Urea	Nitrogen Solution	NH ₃	Misc. Material	Nitrogen	Avail P ₂ O ₅	Sol-uble K ₂ O
Adair	1923	18	---	1	19	659	---	697	---	514	---	29	5	366	350	411
Andrew	2996	28	---	---	28	784	---	823	492	77	---	758	34	944	414	471
Atchison	22952	2	**	1178	351	4405	---	6176	452	54	2627	8136	751	8479	3376	2470
Audrain	17476	11	199	134	344	6386	---	6843	---	480	129	3083	209	3743	3572	4033
Barry	1347	19	---	---	19	255	---	76	995	---	1	---	1	354	36	148
Barton	34882	---	---	24253	24253	3892	---	3386	1122	790	209	1228	2	2512	1616	2316
Bates	12892	---	72	148	220	3711	---	5170	654	750	100	2200	87	3339	2405	2256
Benton	4406	---	419	26	445	1440	53	595	209	749	---	777	138	1205	402	1023
Bollinger	826	---	---	2	2	301	---	122	224	177	---	---	---	179	56	181
Boone	5658	225	---	7	232	1718	1	1664	413	16	150	1370	94	1604	845	1080
Buchanan	6557	178	---	---	178	1625	---	1824	318	418	333	1621	240	1996	926	990
Butler	6528	3	45	34	82	2429	764	861	10	2085	63	---	234	1171	757	1477
Caldwell	5260	---	---	---	---	1543	---	2033	716	262	25	482	199	1113	988	925
Callaway	5775	2	25	17	44	1577	---	1809	1137	53	389	734	32	1426	884	978
Camden	16	15	---	---	15	---	---	---	---	---	---	---	1	1	---	---
Cape Girardeau	4798	202	145	47	394	1851	302	943	363	499	130	136	180	746	628	1168
Carroll	9042	---	689	---	689	2630	---	2245	---	563	76	2691	148	2854	1421	1618
Carter	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cass	10698	181	**	56	233	2706	3	3176	964	345	1289	1891	91	2887	1628	1641
Cedar	961	---	---	---	---	390	---	183	234	154	---	---	---	183	84	224
Chariton	13696	7	1638	---	1645	4242	---	3394	**	272	93	3928	133	3989	2117	3010
Christian	1982	278	---	---	278	9	---	1649	---	45	---	---	1	347	782	14
Clark	8670	---	188	19	207	3293	**	2395	---	---	416	2255	110	2394	1201	2058
Clay	12593	232	18	12188	12438	13	---	---	---	60	10	6	66	692	151	20
Clinton	9935	37	---	---	37	2203	---	3189	1874	106	---	1621	905	2741	1503	1324
Cole	1768	117	---	---	117	636	---	586	194	141	1	76	17	313	285	409
Cooper	8721	13	---	26	39	2754	---	3028	489	845	12	1454	100	2204	1501	1701
Crawford	431	5	---	---	5	24	70	25	---	---	---	---	307	4	43	14
Dade	4421	447	---	---	447	1275	---	1102	1266	181	---	---	150	765	532	776
Dallas	1433	---	14	3	17	304	25	282	802	---	3	---	---	324	141	182
Daviess	2885	9	---	---	9	742	25	627	442	336	---	687	17	968	309	447
DeKalb	5771	8	---	2	10	1253	---	1650	1064	1	---	1177	616	1798	799	752
Dent	227	---	---	---	---	99	---	75	52	---	---	---	1	31	34	59
Douglas	1676	---	---	---	---	207	---	50	1419	---	---	---	---	491	22	124
Dunklin	9814	1	**	**	**	5626	1918	2343	69	188	**	19	653	391	1954	3265
Franklin	7928	340	---	25	365	2593	125	2793	613	833	---	559	47	1548	1454	1627
Gasconade	1201	27	---	---	27	253	26	358	159	239	---	---	139	242	180	158
Gentry	13680	6	27	---	33	1755	---	3211	1056	156	490	6567	412	6530	1570	1061
Greene	4650	1689	9	1	1699	242	8	298	1714	79	---	21	589	983	239	275
Grundy	4507	4	---	---	4	1401	---	1345	697	---	---	1060	---	1323	647	862
Harrison	6486	2	---	---	2	1806	---	1531	391	464	52	2111	129	2373	719	1083
Henry	5726	9	---	26	35	1808	---	2172	460	1251	---	---	---	1106	1026	1092
Hickory	424	8	50	1	59	77	---	77	185	26	---	---	---	89	36	46
Holt	14669	1	---	13	14	3334	---	4444	407	148	3057	2552	713	3820	2220	2013
Howard	5667	2	---	28	30	2182	---	1720	---	407	---	1158	170	1367	906	1353
Howell	2002	70	---	---	70	241	26	198	1392	26	---	---	49	534	112	153
Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Jackson	3263	2359	4	20	2383	156	5	132	---	284	47	44	212	718	155	213
Jasper	5497	127	1055	---	1182	1339	---	1262	804	413	432	46	19	979	806	1058
Jefferson	445	238	69	---	307	26	42	24	---	31	---	---	15	73	37	37
Johnson	3268	33	---	---	33	707	---	884	742	213	26	620	43	1004	441	430
Knox	6775	---	75	---	75	2301	---	1932	26	---	339	2102	---	2134	956	1404
Laclede	3051	18	---	---	18	815	122	553	1286	208	---	2	47	639	311	450
Lafayette	27233	20	1015	211	1246	7327	---	6179	720	2488	2742	5766	765	7988	3730	4423
Lawrence	5191	11	---	---	11	1317	---	1051	2579	233	---	---	---	1172	483	780
Lewis	15080	---	---	1	1	2671	---	2152	50	---	8815	1283	108	4225	1069	1636
Lincoln	6985	44	---	---	44	2341	88	2141	---	890	---	1403	78	1963	1038	1438

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2011

Counties	Total All Fertilizers	MIXED FERTILIZER				FERTILIZER MATERIALS								PLANT FOOD		
		Bagged	Bulk Dry	Liquid	Total Mixed Fert.	Potash	Phosphate	AMM Phos	Ammonium Nitrate	Urea	Nitrogen Solution	NH ₃	Misc. Material	Nitrogen	Avail P ₂ O ₅	Sol-uble K ₂ O
Adair	2597	197	---	---	197	801	5	756	50	638	29	---	121	447	369	501
Andrew	6445	25	---	---	184	1273	---	2220	1127	520	223	810	63	1728	1116	789
Atchison	20731	21	**	---	1344	210	---	4843	1121	107	4159	6351	8	7473	2544	2116
Audrain	16885	75	189	---	89	353	---	3774	137	3014	907	3602	304	5277	2003	3017
Barry	3273	176	---	---	---	176	---	229	---	260	2334	106	---	906	120	139
Barton	22216	25	---	---	6931	6956	---	3442	---	3670	1729	3152	542	5024	1767	1991
Bates	14866	59	---	---	51	110	---	3465	1057	2939	761	2935	40	4968	1617	2145
Benton	5185	103	283	---	95	481	---	1244	73	1222	77	861	758	1117	723	802
Bollinger	2512	10	---	---	29	39	---	538	125	657	820	328	---	549	364	326
Boone	6598	1143	---	---	100	1243	---	1325	17	1328	1208	17	280	1531	696	856
Buchanan	10508	685	12	---	13	710	---	1340	8	1338	444	794	2209	3597	722	830
Butler	17467	271	793	---	3	1067	---	4399	1630	1179	---	6625	989	3923	1469	2725
Caldwell	7383	5	---	---	2	7	---	2129	---	2336	289	1206	226	1959	1159	1278
Callaway	7433	122	---	---	35	157	---	1740	---	1966	1683	280	611	1997	952	1086
Camden	433	326	---	---	---	326	---	---	5	---	---	---	---	4	---	1
Cape Girardeau	14898	929	561	---	285	1775	---	2809	697	2154	2166	2814	1334	3625	1491	1861
Carroll	11492	16	174	---	82	272	---	1762	---	1281	---	1220	1140	5773	666	1113
Carter	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cass	22309	821	**	---	345	1157	---	3232	5	3911	1333	2985	3078	8622	2026	1983
Cedar	3329	10	---	---	99	109	---	792	---	769	998	633	---	772	371	490
Chariton	18024	6	2102	---	831	2939	---	2709	---	2483	54	3178	1993	6311	1883	2243
Christian	2396	1111	---	---	1	1112	---	253	9	185	634	11	---	327	147	181
Clark	9598	10	192	---	87	289	---	1197	---	1305	---	1345	3362	3405	702	766
Clay	13009	1303	---	---	11351	12654	---	7	17	---	---	12	10	677	130	31
Clinton	8927	120	27	---	---	147	---	2054	---	2510	973	518	---	3182	1164	1242
Cole	7148	566	---	---	314	880	---	1296	3	1278	363	1911	185	2197	657	844
Cooper	16985	59	---	---	126	185	---	3021	52	3212	357	3641	2048	6557	1536	1866
Crawford	789	34	---	---	---	34	---	192	---	170	---	320	---	177	78	115
Dade	8771	2623	---	---	---	2623	---	1139	---	1115	2719	841	166	1891	580	743
Dallas	1581	38	---	---	11	49	---	427	52	442	543	---	5	267	230	258
Daviess	4822	21	341	---	26	388	---	1125	102	645	168	291	50	1937	444	679
DeKalb	5038	1	26	---	1	28	---	2007	1	1164	367	50	2	1499	554	1191
Dent	1306	50	---	---	2	52	---	347	---	400	470	---	---	233	185	208
Douglas	1048	39	---	---	---	39	---	363	---	314	294	---	---	155	144	218
Dunklin	53635	168	1494	**	1635	1635	---	10352	630	4927	917	13222	15138	13392	2702	6550
Franklin	13543	807	---	---	69	876	---	2697	82	2094	1715	3869	25	4270	1061	1698
Gasconade	5011	98	4	---	---	102	---	994	25	933	1052	1232	---	1114	447	618
Gentry	11889	16	78	---	49	143	---	1922	---	2009	2459	94	323	5242	956	1158
Greene	8972	4653	---	---	24	4677	---	1054	133	651	926	116	4	972	490	784
Grundy	10303	48	25	---	76	149	---	2203	---	2566	1566	485	531	3596	1280	1336
Harrison	11672	34	103	---	55	192	---	3016	---	2315	868	742	1154	4001	1180	1823
Henry	8365	100	---	---	20	120	---	2077	---	2217	1944	1395	415	1864	1045	1248
Hickory	1134	---	268	---	1	269	---	152	---	210	345	157	---	230	99	93
Holt	13086	6	1	---	686	693	---	1426	---	2380	1752	497	889	5653	1342	894
Howard	4871	15	---	---	29	44	---	836	---	1391	---	493	786	1677	730	510
Howell	6368	420	85	---	41	546	---	980	63	672	3045	152	---	1475	380	627
Iron	29	29	---	---	---	29	---	---	---	---	---	---	---	---	---	---
Jackson	11255	8032	11	---	43	8086	---	245	72	373	56	1059	124	1214	268	280
Jasper	8961	644	535	---	25	1204	---	1154	25	885	1285	2208	1613	2430	515	834
Jefferson	2114	1515	---	---	---	1515	---	49	90	97	---	100	---	140	78	52
Johnson	5269	255	---	---	548	803	---	604	6	834	994	578	692	1530	498	454
Knox	6398	4	96	---	---	100	---	1591	---	1242	1132	79	401	2245	621	971
Laclede	4690	287	9	---	1	297	---	1236	62	874	1877	255	---	920	432	725
Lafayette	26759	79	450	---	609	1138	---	7098	50	6683	26	3642	1327	8223	3855	4293
Lawrence	26073	45	---	---	13138	13183	---	2537	25	1145	8096	1054	---	3442	541	1471
Lewis	3349	17	54	---	30	101	---	3959	---	3155	355	1354	**	787	1528	2435
Lincoln	9784	188	143	---	16	347	---	2563	---	2089	---	2526	1011	2846	1012	1620

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2010

Counties	Total All Fertilizers	MIXED FERTILIZER				FERTILIZER MATERIALS								PLANT FOOD		
		Bagged	Bulk Dry	Liquid	Total Mixed Fert.	Potash	Phosphate	AMM Phos	Ammonium Nitrate	Urea	Nitrogen Solution	NH ₃	Misc. Material	Nitrogen	Avail P ₂ O ₅	Sol-uble K ₂ O
Linn	5370	11	78	4	93	1890	---	1843	15	309	182	1035	3	1324	926	1187
Livingston	5585	14	---	---	14	2527	---	1729	97	503	512	200	3	854	844	1562
McDonald	50	---	4	---	4	---	---	---	14	7	25	---	---	17	---	---
Macon	21462	9	150	15698	15857	2342	---	1733	---	149	60	1279	42	1405	928	1482
Madison	129	---	---	---	---	40	---	39	---	50	---	---	---	29	17	24
Maries	25	---	---	---	---	---	---	---	---	25	---	---	---	11	---	---
Marion	14077	31	451	555	1037	8408	---	2074	51	281	938	1162	126	1770	1329	5250
Mercer	1066	---	46	48	94	535	---	437	---	---	---	---	---	53	245	340
Miller	265	22	---	2	24	129	1	---	---	102	---	---	9	50	3	81
Mississippi	16875	---	1446	541	1987	5695	1010	2131	3	1717	1623	---	2709	2057	2018	3460
Moniteau	2362	2	---	69	71	639	---	923	294	266	17	137	15	509	436	408
Monroe	13433	9	1442	8	1459	4073	---	4360	24	131	38	3272	76	3646	2519	2701
Montgomery	8910	17	---	531	548	3156	---	2636	127	650	448	1044	301	1782	1450	2008
Morgan	2961	14	---	3	17	739	26	499	929	692	---	---	59	730	242	460
New Madrid	22827	8	**	48	**	6885	431	6171	---	**	8381	---	3042	3571	2907	3957
Newton	40216	16	---	37259	37275	611	---	424	1583	21	175	78	49	864	277	365
Nodaway	20632	24	187	49	260	4900	---	4948	2319	1146	429	6159	471	7219	2574	2973
Oregon	1536	---	---	---	---	500	---	182	854	---	---	---	---	319	83	300
Osage	2245	8	---	25	33	593	---	441	484	587	51	20	36	552	206	370
Ozark	1245	---	---	---	---	174	---	126	945	---	---	---	---	339	58	104
Pemiscot	8373	---	66	476	542	2375	496	446	1593	2545	139	---	237	1931	570	1455
Perry	5848	46	---	5	51	2527	426	2032	100	379	175	156	2	763	1138	1514
Pettis	7719	51	---	---	51	2754	---	2739	725	702	---	580	168	1510	1324	1709
Phelps	980	255	1	---	256	151	1	200	301	---	---	---	71	198	97	96
Pike	20211	11	882	12	905	9421	---	5805	51	473	554	2887	115	3780	3106	5852
Platte	4406	87	344	---	431	636	---	1775	208	1	11	945	399	1283	948	461
Polk	2277	---	---	---	---	771	---	426	883	92	---	---	105	441	195	438
Pulaski	1119	15	---	---	15	220	---	199	653	32	---	---	---	273	91	132
Putnam	967	---	---	---	---	524	---	291	---	48	104	---	---	102	138	317
Ralls	7055	3	100	1442	1545	1763	---	1532	25	---	796	1357	37	1709	975	1439
Randolph	4949	145	---	663	808	1683	---	1466	75	548	280	81	8	759	912	1061
Ray	3585	21	128	136	285	1041	---	1055	78	54	---	868	204	960	608	647
Reynolds	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ripley	777	---	29	42	71	55	---	57	---	377	---	---	---	189	36	42
St. Charles	9781	2882	104	201	3187	1661	2	1918	---	476	1047	974	516	1865	1046	1080
St. Clair	4231	---	---	---	---	1243	---	1268	1042	180	---	---	498	761	587	745
St. Francois	1158	22	13	---	35	349	---	298	---	472	---	---	4	273	139	212
Ste. Genevieve	4906	42	---	---	42	1679	465	1044	149	712	222	593	---	1127	700	1013
St. Louis	3739	2997	5	4	3006	77	5	2	---	55	---	---	594	544	106	261
Saline	18944	216	---	58	274	5232	---	5774	---	449	---	6635	580	6452	2933	3240
Schuyler	667	2	122	---	124	184	---	102	---	128	15	113	1	180	51	115
Scotland	5899	3	1173	---	1176	1509	---	1325	---	377	535	967	10	1399	665	940
Scott	28455	44	**	14620	13778	6392	262	4156	37	1126	973	141	1590	2011	1893	3566
Shannon	966	---	99	---	99	99	---	74	643	50	---	---	1	277	56	59
Shelby	13249	32	419	1	452	5642	---	4965	140	150	3	1618	279	2307	2558	3442
Stoddard	24378	8	696	202	906	9704	747	7349	---	3055	56	121	2440	3411	3875	6041
Stone	61	---	---	---	---	---	---	---	61	---	---	---	---	20	---	---
Sullivan	930	12	72	---	84	441	---	353	26	---	26	---	---	79	175	271
Taney	36	36	---	---	36	---	---	---	---	---	---	---	---	2	---	1
Texas	1819	---	---	21	21	839	---	99	589	---	---	---	---	271	46	500
Vernon	9737	6	---	259	265	3447	---	3371	486	615	263	1167	123	2088	1610	2106
Warren	7098	24	---	43	67	1909	39	2765	181	927	---	103	1107	1055	1321	1181
Washington	220	1	71	---	72	48	---	51	---	49	---	---	---	32	24	29
Wayne	486	5	---	---	5	76	---	174	153	---	---	---	---	99	80	46
Webster	1665	97	---	---	97	133	15	130	1245	---	---	---	---	472	70	99
Worth	2567	---	---	---	---	438	---	834	653	334	---	304	4	747	412	263
Wright	2172	28	---	---	28	795	---	193	498	53	---	---	605	392	92	480

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2011

Counties	Total All Fertilizers	MIXED FERTILIZER				FERTILIZER MATERIALS								PLANT FOOD		
		Bagged	Bulk Dry	Liquid	Total Mixed Fert.	Potash	Phosphate	AMM Phos	Ammonium Nitrate	Urea	Nitrogen Solution	NH ₃	Misc. Material	Nitrogen	Avail P ₂ O ₅	Sol-uble K ₂ O
Linn	8008	47	103	---	150	1897	---	1813	1300	657	444	1712	35	2530	936	1171
Livingston	8837	131	26	50	207	2765	2	2159	643	488	1601	904	68	2028	1058	1719
McDonald	15102	73	---	14442	14515	1	---	---	---	106	349	19	112	170	1	---
Macon	21639	100	232	14964	15296	1958	---	1323	---	1249	330	1268	215	2007	711	1232
Madison	599	41	---	---	41	151	---	150	---	227	---	---	30	131	68	90
Maries	10	---	---	9	9	---	---	---	---	---	---	---	1	---	1	---
Marion	16968	177	269	2041	2487	3876	9	2636	284	62	3611	3528	475	4783	1953	2562
Mercer	2262	---	47	51	98	754	---	483	690	103	125	---	9	385	268	475
Miller	2850	173	---	---	173	728	2	482	---	1423	---	---	42	747	223	454
Mississippi	40667	9	1203	533	1745	3859	259	392	66	4710	23777	837	5022	11356	754	2413
Moniteau	4520	23	---	108	131	1025	---	698	396	1219	324	695	32	1503	341	656
Monroe	12355	11	440	30	481	3588	---	2444	812	560	547	3484	439	4171	1328	2191
Montgomery	14219	66	---	563	629	2646	99	2533	279	3560	1147	3029	297	5047	1398	1715
Morgan	5323	117	---	---	117	1301	53	781	1234	930	733	---	174	1236	392	814
New Madrid	40587	55	**	240	**	13223	465	4426	91	13150	5379	22	4805	9431	2201	7605
Newton	67432	208	8	61292	61508	915	1	720	2008	1188	356	390	346	1973	444	539
Nodaway	20669	107	677	58	842	4291	---	4934	1821	855	2562	5167	197	6778	2675	2640
Oregon	4260	36	---	---	36	590	76	595	2871	---	---	---	92	1088	308	354
Osage	6439	12	---	50	62	1091	---	1322	892	2353	305	412	2	2060	613	682
Ozark	2460	13	---	---	13	337	---	431	1603	---	---	---	76	630	198	202
Pemiscot	25804	3	**	340	**	3247	124	1114	28	10758	8814	---	1792	8204	657	1835
Perry	11616	116	---	36	152	2561	316	1775	198	2358	2000	2129	127	3879	978	1524
Pettis	13663	298	---	58	356	2797	2	2748	1666	1210	964	3529	391	4793	1331	1740
Phelps	9888	5024	---	---	5024	281	2	173	362	25	17	3	4001	403	110	238
Pike	23123	26	304	162	492	4903	---	4548	775	3593	3113	3016	2683	6378	2340	3011
Platte	5161	566	251	87	904	586	21	519	1387	---	48	1528	168	1928	331	417
Polk	4810	80	96	---	176	1373	49	1436	1541	135	---	---	100	849	686	817
Pulaski	5107	323	290	1	614	1125	---	1209	1135	940	3	---	81	1050	565	681
Putnam	5247	---	485	---	485	1338	---	1174	815	458	952	---	25	1008	551	813
Ralls	5471	2	37	1194	1233	1006	---	869	433	435	615	786	94	1393	646	875
Randolph	10848	2456	---	428	2884	2384	3	1887	2362	138	882	160	148	1916	1206	1665
Ray	8299	52	---	82	134	1299	---	1950	1168	435	526	2593	194	3126	1032	793
Reynolds	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ripley	2892	29	80	195	304	531	136	262	---	639	---	---	1020	393	238	358
St. Charles	24518	5213	117	796	6126	1936	44	1221	107	600	12024	1185	1275	5763	894	1301
St. Clair	5431	63	46	3	112	1463	---	2733	354	522	126	---	121	906	1258	877
St. Francois	1189	307	66	---	373	225	106	171	---	256	---	---	58	156	130	142
Ste. Genevieve	7219	95	---	126	221	1207	292	1105	---	2218	1227	905	44	2383	695	724
St. Louis	13363	10984	38	1	11023	115	183	2	10	127	9	---	1894	975	93	359
Saline	14442	61	---	344	405	2686	---	2818	145	2579	188	5332	289	6076	1546	1654
Schuyler	2033	10	82	390	482	483	---	424	---	359	42	240	3	475	206	299
Scotland	8907	13	702	715	1430	1816	---	1480	---	1734	599	1704	144	2702	849	1282
Scott	56677	672	4783	13162	18617	7024	253	3553	48	8325	13029	954	4874	10505	1892	3044
Shannon	812	5	434	---	439	147	---	150	75	1	---	---	---	74	91	108
Shelby	18543	9	282	112	403	6313	---	4748	2121	1325	1461	1863	309	4126	2443	3914
Stoddard	61439	76	1682	515	2273	10827	577	8733	150	22823	5737	964	9355	16939	4575	6849
Stone	1131	14	---	---	14	319	---	208	518	---	---	24	48	230	97	191
Sullivan	3937	8	104	---	112	979	---	991	689	427	724	---	15	843	489	627
Taney	704	469	---	---	469	---	18	---	---	---	---	---	217	6	---	2
Texas	13708	35	---	---	35	1441	200	2068	5931	1	---	---	4032	3409	1027	853
Vernon	16688	78	---	73	151	3496	---	3677	2616	4100	686	1640	322	5047	1705	2102
Warren	8611	50	---	29	79	982	67	1292	304	3095	---	377	2415	2084	635	610
Washington	1498	21	149	4	174	347	---	540	---	389	---	---	48	277	250	210
Wayne	1756	49	---	---	49	474	---	501	576	---	9	57	90	353	233	287
Webster	5848	676	463	12	1151	1295	287	564	2138	237	51	---	125	1035	408	805
Worth	2632	2	---	23	25	692	---	436	401	130	97	824	27	975	226	419
Wright	3723	158	70	---	228	640	---	516	2218	30	---	---	90	872	250	396

** Credits exceeded shipments.

Fertilizer/Ag Lime Control Service
University of Missouri-Columbia
Columbia, MO 65211-8080

Non – Profit
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PAID
University of Missouri

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