

UNIVERSITY OF MISSOURI-COLUMBIA
Agricultural Experiment Station

MISSOURI FERTILIZER TONNAGE REPORT, 2009-10

FERTILIZER MATERIALS			DRY MIXED FERTILIZERS						LIQUID MIXED FERTILIZERS		
			BAGGED FERTILIZER			BULK MANUFACTURED					
<u>NITROGEN MATERIALS</u>	<u>FALL</u>	<u>SPRING</u>	<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>	<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>	<u>GRADES</u>	<u>FALL</u>	<u>SPRING</u>
Ammonium Sulfate	12,750*	23,867*	<1-1-1	1,882	12,331	0-18-36	---	301	2-6-32	---	690
Amm. Thiosulfate	777*	9,783*	6-24-24	118	185	3-2-3	---	630	3-9-27	41	839
N. Solutions (26-32%)	58,550*	145,720*	10-10-10	34	376	4-3-2	99	527	3-10-30	419	993
Ammonium Nitrate	22,113*	116,294*	12-12-12	102	1,352	5-1-0	8,930	2,865	3-18-18	601	3,484
Urea	45,292*	199,893*	13-13-13	825	1,845	6-15.3-27.3	49	222	4-10-10	---	352
Anhydrous Ammonia	44,885	139,677	17-02-03	303	254	6.5-.55-.45	68	2,091	5-0-20	14	40
Other	7,707	10,716	20-10-10	96	351	9-23-30	264	2,248	5-1-0	---	5,656
TOTAL	<u>192,074</u>	<u>645,950</u>	22-2-14	207	-21	12-40-0	1,315	3,578	5-15-15	108	72
			25-0-5	881	858	17-15-25	---	---	6-24-6	248	881
			28-1-4	27	640	17-17-17	22	78	8-24-0	---	476
PHOSPHATIC MATERIALS			30-0-4	45	21	21-00-24	---	22	9-18-9	57	304
Conc. Superphosphate	1,119*	7,324*	32-0-4	24	151	23.6-15-15	---	265	10-15-10	---	443
Phosphoric Acid	288*	263*	32-3-8	236	80	28-13-0	---	242	10-20-10	60	263
Rock Phosphate	52	74	Misc.	6,935	14,042	Misc.	4,082	7,718	10-30-0	451	1,057
Other	169	748	TOTAL	<u>11,715</u>	<u>32,465</u>	TOTAL	<u>14,829</u>	<u>20,787</u>	10-34-0	2,070	2,032
TOTAL	<u>1,628</u>	<u>8,409</u>							10.6-36-0	291	382
POTASH MATERIALS			AMMONIUM PHOSPHATES								
Muriate of Potash	78,916*	258,151*	BAGGED FERTILIZER			BULK FERTILIZER					
Other	752	3,620									
TOTAL	<u>79,668</u>	<u>261,771</u>	<u>FALL</u> <u>SPRING</u>			<u>FALL</u> <u>SPRING</u>					
			11-52-0	23	3	52,417*	51,077*				
			18-46-0	---	---	90,103*	126,461*				
			TOTAL	<u>23</u>	<u>3</u>	<u>142,520</u>	<u>177,538</u>				
MISC. MATERIALS			=====						PRINCIPAL BLENDING MATERIALS		
Organics	4,946	23,039							(Approximate Tons Used in Blends)		
Other	104,390	90,975									
TOTAL	<u>109,336</u>	<u>114,014</u>									
TOTAL MATERIALS			TOTAL MIXED FERTILIZER								
									<u>FALL</u> <u>SPRING</u>		
			TOTAL ALL FERTILIZERS								
									Ammonium Nitrate		
									174,383 252,599		
									557,089 1,282,743		
									Urea		
									<u>1,839,832</u>		
			=====						114,016 142,030		
									Conc. Phosphates		
									895 5,859		
									Muriate of Potash		
									63,133 206,521		

* Includes tonnage reported as materials but blended prior to application

RECENT FERTILIZER SALES TRENDS IN MISSOURI

	% OF TOTAL SALES							
	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
BAGGED FERTILIZERS								
Mixtures	3.7	4.7	6.7	4.3	3.5	3.8	5.8	2.6
Materials	1.5	1.0	1.6	0.6	---.6	.7	1.6	1.3
TOTALS	<u>5.2</u>	<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>
BULK DRY FERTILIZERS								
Blends	56.0	53.6	51.0	46.0	50.4	50.4	39.8	48.1
Mfg'd. Mixtures	2.4	2.4	1.8	1.8	---.9	.8	1.1	2.5
Dir. Appl. Material	14.0	13.4	12.8	11.5	12.6	12.6	10.0	12.0
TOTALS	<u>72.4</u>	<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>
LIQUID FERTILIZERS								
Mixtures	2.2	4.6	4.7	16.2	9.4	10.6	2.8	11.6
Nitrogen Solutions	12.8	13.5	13.1	12.2	14.4	12.2	27.9	11.9
Anhydrous Ammonia	7.3	6.8	8.3	7.4	8.2	8.9	11.0	10.0
TOTALS	<u>22.3</u>	<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>
TOTAL TONS	1,991,230	2,179,272	1,990,041	1,964,409	2,245,484	1,919,138	1,544,442	1,839,832

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2009

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	1111	2	38	---	40	447	---	319	26	264	---	---	15	174	173	290
Andrew	1228	17	---	---	17	343	---	539	26	78	---	224	1	302	271	207
Atchiso	14164	2	1168	740	1910	1909	---	3590	395	111	2318	3390	541	4294	2426	1390
Audrain	11101	2	979	74	1055	3554	---	4096	---	248	553	1487	108	2152	2443	2348
Barry	1001	1	136	---	137	75	---	203	552	---	1	21	12	249	94	45
Barton	36183	---	427	31373	31800	1052	---	1929	644	595	77	19	67	888	917	597
Bates	5793	---	---	21	21	1329	---	2830	156	603	50	785	19	1489	1319	799
Benton	859	---	---	---	---	277	---	327	78	---	50	101	26	189	150	172
Bollinger	785	---	---	18	18	205	---	279	49	48	---	---	186	140	131	125
Boone	4298	34	133	---	167	1264	---	1522	179	6	50	783	327	983	835	843
Buchanan	4601	99	242	2	343	518	---	1104	203	153	919	1015	346	1408	585	326
Butler	5019	22	925	---	947	367	118	415	40	3037	26	---	69	1557	257	224
Caldwell	2266	3	25	---	28	345	---	827	421	328	---	142	175	563	418	208
Callaway	6098	---	3253	3	3256	588	---	1090	624	16	101	385	38	907	560	365
Camden	17	---	---	---	---	1	---	---	---	1	---	---	15	1	---	---
Cape Girardeau	7604	73	1304	26	1403	1261	74	1185	125	282	82	159	3033	757	635	796
Carroll	8384	---	385	59	444	1418	---	2281	317	1344	1367	1049	164	2332	1203	884
Carter	452	---	452	---	452	---	---	---	---	---	---	---	---	22	4	---
Cass	8903	56	493	181	730	1747	---	2403	438	507	1421	1084	573	2164	1257	1065
Cedar	939	---	---	88	88	104	---	487	183	77	---	---	---	185	224	62
Chariton	12298	9	1133	---	1142	2343	---	4374	276	666	1140	2001	356	3077	2580	1662
Christian	297	65	---	---	65	---	---	---	---	1	---	4	227	22	13	8
Clark	3593	---	---	20	20	1362	---	1537	---	80	98	430	66	666	754	843
Clay	1559	21	1197	---	1218	5	---	---	---	14	---	---	322	128	23	21
Clinton	4015	24	646	---	670	105	---	1988	280	4	---	321	647	862	950	67
Cole	1778	56	---	---	56	356	---	533	267	444	25	40	57	443	256	231
Cooper	5657	8	---	8	16	1242	---	2632	590	338	36	681	122	1361	1266	766
Crawford	99	---	---	---	---	26	---	49	---	24	---	---	---	20	22	15
Dade	3909	8	---	1	9	719	---	1201	997	180	26	---	777	805	555	423
Dallas	1449	---	---	2	2	319	---	716	154	256	---	---	2	292	335	192
Daviess	1429	1	6	2	9	56	---	718	309	1	---	259	77	440	362	37
DeKalb	2093	---	---	---	---	53	---	1022	621	---	---	397	---	699	490	32
Dent	771	---	---	---	---	125	---	419	226	---	---	---	1	152	192	74
Douglas	281	---	---	---	---	78	---	178	---	---	---	---	25	81	35	---
Dunklin	210	---	88	344	432	1519	219	743	69	**	4157	---	**	**	565	928
Franklin	2485	112	125	4	241	286	82	833	48	599	---	230	166	679	500	198
Gasconade	698	12	---	---	12	116	14	252	132	94	---	---	78	155	124	72
Gentry	5444	2	---	---	2	836	---	1026	888	---	1689	807	196	1652	507	501
Greene	3097	231	---	1	232	74	31	439	433	44	---	---	1844	525	321	175
Grundy	2775	---	---	1	1	520	---	904	840	26	125	359	---	768	434	318
Harrison	3014	---	---	---	---	361	---	985	282	116	102	1116	52	1242	491	216
Henry	2316	10	---	---	10	549	---	1471	156	---	26	---	104	331	692	330
Hickory	405	---	51	1	52	26	---	176	---	151	---	---	---	101	81	16
Holt	7074	---	50	226	276	701	---	2600	---	105	1985	1041	366	1855	1435	422
Howard	4933	6	---	---	6	1052	---	1957	---	26	777	1004	111	1330	1036	647
Howell	1726	14	---	1	15	180	25	214	534	---	---	---	758	423	112	109
Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Jackson	2759	146	1	25	172	186	1	206	---	189	1	8	1996	534	162	220
Jasper	3672	---	229	5	234	740	---	1017	385	575	478	21	222	795	529	505
Jefferson	440	6	1	---	7	26	---	49	23	41	---	---	294	95	31	42
Johnson	2052	25	---	72	97	102	24	681	446	27	361	279	35	624	358	78
Knox	2551	---	---	---	---	1155	---	800	25	---	336	229	6	421	390	692
Laclede	1093	---	---	---	---	178	23	325	247	310	---	---	10	284	160	96
Lafayette	20442	11	600	73	684	3167	305	5214	273	789	5013	4477	520	6527	3229	1934
Lawrence	1691	---	---	---	---	222	---	605	849	---	---	---	15	399	278	133
Lewis	11436	1	---	---	1	1407	---	1200	---	---	8097	726	5	3371	584	861
Lincoln	2493	26	11	---	37	565	86	902	---	330	---	467	106	719	466	351

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 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	3264	79	74	---	153	1048	1	910	52	1021	---	11	68	658	455	673
Andrew	6773	29	---	129	158	963	---	1484	1450	989	1027	626	76	1984	757	593
Atchison	24271	10	**	978	**	3836	---	5975	1240	319	6052	7265	5	8985	3012	2026
Audrain	17786	34	781	177	992	6060	---	3227	177	2500	699	3909	223	5212	1819	3953
Barry	4637	356	62	3	421	646	2	310	2998	193	3	---	64	1175	153	379
Barton	40588	10	18	26311	26339	5637	---	3329	1364	2429	960	461	69	2878	1570	3324
Bates	14606	40	---	114	154	4170	---	3357	1578	2173	338	2807	29	4540	1586	2522
Benton	4235	53	188	100	341	966	---	720	447	797	423	400	141	1152	399	666
Bollinger	2333	5	---	24	29	497	50	619	819	188	---	---	131	512	312	301
Boone	7228	1074	442	74	1590	1550	14	1245	904	90	204	1365	266	1823	713	1051
Buchanan	9975	401	265	50	716	1023	6	1287	357	1053	1670	2914	949	3706	696	632
Butler	24373	106	114	**	216	7413	2291	2597	---	9430	781	---	1645	5314	2248	4355
Caldwell	5713	1	---	11	12	1547	---	1344	588	1285	223	702	12	1640	657	930
Callaway	7530	41	718	48	807	1767	---	1287	987	387	825	1418	52	2196	627	1112
Camden	308	194	---	---	194	1	6	---	---	---	---	---	107	3	---	1
Cape Girardeau	16759	523	705	156	1384	3616	402	2580	1946	1829	2064	1292	1646	3939	1556	2352
Carroll	12342	---	90	21	111	1549	---	1476	122	2826	814	5096	348	6071	783	940
Carter	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cass	22457	581	1369	213	2163	4584	12	3780	1970	2844	2895	3915	294	6793	1972	2778
Cedar	2742	34	2	132	168	821	---	484	933	336	---	---	---	560	226	496
Chariton	17699	7	2291	1174	3472	3567	---	1348	**	1682	2759	4569	423	5919	1340	2950
Christian	1723	808	---	1	809	155	7	152	435	28	---	---	137	242	102	114
Clark	12338	20	716	48	784	2520	---	2013	---	1001	3054	2767	199	4125	1130	1715
Clay	6988	938	11	5656	6605	31	23	---	---	10	73	---	246	408	75	35
Clinton	10402	74	101	---	175	2118	---	1883	2719	746	25	2695	41	3859	887	1285
Cole	5910	397	---	14	411	1202	9	1283	681	958	100	999	267	1823	613	754
Cooper	16963	97	14	81	192	3301	---	2641	1331	3132	2474	3723	169	6193	1289	2039
Crawford	792	13	---	---	13	276	---	245	---	248	---	---	10	158	113	165
Dade	8029	1234	---	7	1241	2121	---	830	2460	1179	107	19	72	1736	447	1292
Dallas	2257	10	---	5	15	642	23	410	1148	6	4	---	9	468	200	384
Davless	4029	13	25	---	38	1093	105	446	403	662	74	1092	116	1442	228	664
DeKalb	4820	7	---	1	8	1146	---	790	699	77	227	1818	55	1974	380	688
Dent	1601	15	---	---	15	521	---	351	686	---	---	---	28	296	161	312
Douglas	2214	9	177	---	186	337	---	307	1356	---	---	---	28	516	142	205
Dunklin	60313	99	721	**	561	14100	976	5971	27	14926	16559	39	7154	14289	3208	8681
Franklin	13939	664	282	519	1465	2701	182	2006	1974	3903	14	1513	181	4208	1242	1772
Gasconade	5726	113	---	2	115	1455	27	1276	509	1768	232	19	325	1333	610	901
Gentry	11588	10	106	11	127	1641	---	1646	2725	1	1098	4140	210	4965	793	964
Greene	8170	2864	---	7	2871	1423	99	609	1401	548	**	---	1241	1189	436	1001
Grundy	8927	12	---	102	114	2271	---	1494	1749	992	252	2053	2	3068	729	1389
Harrison	10962	7	---	57	64	2160	---	1834	993	822	1191	3816	82	4456	957	1303
Henry	9051	44	---	25	69	2437	---	2103	2618	1626	126	---	72	2029	1009	1471
Hickory	1300	---	204	3	207	331	---	277	483	---	---	---	2	214	129	201
Holt	16012	1	25	744	770	2076	---	3299	2284	594	2357	4345	287	5810	1828	1289
Howard	4916	13	24	30	67	1183	---	922	---	785	618	1245	96	1688	521	723
Howell	7955	106	76	---	182	1325	372	999	3810	1	---	---	1266	1788	649	810
Iron	17	13	---	---	13	---	---	---	---	---	---	---	4	---	---	---
Jackson	7476	4388	53	4	4445	385	99	221	80	452	62	9	1723	923	196	375
Jasper	10022	328	1523	20	1871	1847	9	1220	1191	2154	1449	38	243	2298	881	1529
Jefferson	1330	723	---	---	723	51	17	125	---	120	---	---	294	134	61	53
Johnson	5767	119	---	435	554	966	27	783	676	660	1073	903	125	1765	462	661
Knox	7988	---	252	3	255	2116	---	1515	1267	105	206	2498	26	2825	802	1350
Laclede	5100	127	---	---	127	1799	157	862	1589	436	---	---	130	908	465	1042
Lafayette	24841	42	713	223	978	6305	---	4418	123	5028	2115	4762	1112	7730	2692	3845
Lawrence	13342	35	---	6	41	2866	---	1024	7315	1129	253	---	714	3403	475	1689
Lewis	21383	3	16	---	19	3659	---	2914	421	1668	10032	2647	23	312	1414	2231
Lincoln	10184	174	4	6	184	2635	74	2194	96	2545	582	1779	95	3254	1075	1629

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2009

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	3144	4	25	---	29	586	---	1031	44	173	160	1117	4	1208	516	361
Livingston	3655	9	---	---	9	686	---	2189	120	91	433	101	26	635	1067	422
McDonald	158	---	3	---	3	---	---	---	3	28	127	---	---	54	---	---
Macon	19140	16	1599	14519	16134	992	---	801	---	103	100	815	195	1166	703	980
Madison	129	---	---	---	---	54	---	25	---	50	---	---	---	27	11	32
Maries	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Marion	11983	1	31	188	220	2991	---	3244	52	331	3133	1697	315	3107	1689	1779
Mercer	447	---	---	---	---	155	---	258	---	---	---	---	34	30	138	98
Miller	243	---	---	---	---	25	---	128	---	76	---	---	14	60	59	16
Mississippi	9176	2	158	414	574	1819	215	2108	---	2096	1436	228	700	2165	1256	1028
Moniteau	1120	9	---	25	34	336	---	582	---	100	---	60	8	202	273	214
Monroe	7866	4	3058	30	3092	1004	---	1618	24	250	14	1369	495	2183	1379	1318
Montgomery	4484	16	3	74	93	805	27	1775	102	465	660	458	99	1099	927	505
Morgan	2517	19	---	2	21	287	30	1054	275	496	188	---	166	605	500	180
New Madrid	20735	1	245	19	265	2657	50	6534	**	6311	942	---	4020	5138	3056	1635
Newton	41792	---	---	39094	39094	319	---	602	1263	77	297	30	110	713	285	200
Nodaway	8703	26	26	12	64	1124	---	2673	681	79	1513	2324	245	2972	1411	686
Oregon	1083	---	---	---	---	128	---	228	376	---	---	---	351	256	104	75
Osage	717	25	---	25	50	125	---	182	124	231	---	---	5	185	89	84
Ozark	446	38	---	---	38	38	---	63	188	6	---	---	113	113	34	28
Pemiscot	11141	2	25	354	381	543	---	577	603	6050	2031	---	956	3982	427	306
Perry	2486	58	---	6	64	845	---	1170	---	31	53	156	167	409	548	518
Pettis	4738	14	213	---	227	1552	---	1800	538	283	38	184	116	788	985	964
Phelps	977	---	---	---	---	153	---	151	251	---	---	1	421	164	74	113
Pike	17822	3	2628	114	2745	**	---	5704	69	2205	5043	3054	490	6524	3385	**
Platte	903	8	---	---	8	4	---	507	---	1	54	50	279	175	264	10
Polk	1051	---	73	---	73	108	---	442	314	108	---	---	6	239	205	65
Pulaski	654	---	---	---	---	72	---	150	26	8	---	---	398	144	69	44
Putnam	479	---	---	---	---	164	---	209	80	---	25	---	1	72	96	98
Ralls	4397	---	79	672	751	969	---	1379	6	279	313	604	96	1021	829	719
Randolph	2858	3	10	392	405	601	---	1082	86	4	343	100	237	461	632	384
Ray	3746	16	294	---	310	1106	---	1593	28	288	76	337	8	673	932	683
Reynolds	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ripley	1055	---	4	114	118	88	43	13	---	580	---	---	213	281	45	71
St. Charles	8213	33	1659	301	1993	1241	---	844	---	141	2334	473	1187	1629	1039	858
St. Clair	1551	---	---	---	---	76	---	1087	---	386	---	1	1	374	499	45
St. Francois	548	11	25	---	36	49	---	395	---	52	---	---	16	98	184	32
Ste. Genevieve	4065	58	322	75	455	1049	26	1062	---	600	306	463	104	1022	678	628
St. Louis	14258	230	183	9	422	2026	1	7126	---	1031	4	---	3648	2352	3416	1478
Saline	13879	6	208	65	279	4241	---	4360	---	344	1	4076	578	4049	2359	2619
Schuyler	114	1	---	---	1	26	---	79	---	---	8	---	---	15	38	15
Scotland	2764	---	68	3	71	1308	---	895	---	53	---	363	74	450	453	807
Scott	31605	---	**	9104	9088	4259	54	4373	2	5594	5910	125	2200	5819	2035	2560
Shannon	223	---	---	---	---	---	---	148	75	---	---	---	---	51	67	---
Shelby	9891	---	2142	25	2167	2458	---	3049	411	725	354	536	191	1843	1906	1941
Stoddard	15582	11	274	141	426	3611	---	4927	32	4469	570	160	1387	3597	2377	2211
Stone	28	---	---	---	---	25	---	---	---	---	---	---	3	---	---	15
Sullivan	434	---	---	---	---	159	---	133	---	132	---	---	10	85	61	100
Taney	63	---	---	4	4	---	---	---	---	---	---	---	59	3	1	1
Texas	7274	---	---	---	---	508	159	2071	1075	---	---	---	3461	1438	957	305
Vernon	6422	---	---	86	86	1549	---	2879	287	702	572	301	46	1360	1339	940
Warren	4753	---	---	---	---	395	20	2015	---	1645	---	41	637	1160	938	242
Washington	104	---	---	---	---	56	---	48	---	---	---	---	---	8	21	33
Wayne	413	9	---	---	9	51	---	150	---	---	---	---	53	92	70	31
Webster	484	---	---	---	---	46	---	88	157	---	26	---	167	109	47	49
Worth	831	---	---	---	---	102	---	207	210	---	---	120	192	233	112	61
Wright	909	25	---	---	25	100	---	254	527	---	---	---	4	226	120	62

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 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	8465	19	149	6	174	2856	---	1852	1264	877	267	1131	44	2123	926	1763
Livingston	8764	58	---	64	122	2880	5	1224	628	1264	1659	887	95	2264	604	1791
McDonald	466	18	15	---	33	10	---	1	94	83	215	---	30	143	1	8
Macon	15911	30	235	6411	6676	2622	---	1953	---	2309	716	1374	261	2781	1053	1684
Madison	680	23	---	---	23	182	---	233	---	228	---	---	14	147	107	109
Maries	10	---	---	9	9	---	---	---	---	---	---	---	1	---	1	---
Marion	15617	37	352	2167	2556	5304	---	427	150	502	2710	3835	133	4385	1008	3530
Mercer	1385	---	93	21	114	520	---	266	339	136	---	---	10	214	162	339
Miller	2595	55	---	3	58	807	6	457	---	1232	---	---	35	654	211	500
Mississippi	54954	100	1488	457	2045	7546	568	2111	13	3197	32975	1018	5481	13951	1837	4349
Moniteau	4059	37	---	114	151	897	---	767	249	1131	75	771	18	1409	376	580
Monroe	16613	5	479	63	547	4736	---	3903	960	904	180	4899	484	5724	2035	2876
Montgomery	14735	81	---	421	502	3701	75	2477	127	3363	903	3323	264	5089	1310	2337
Morgan	5278	61	---	37	98	1028	52	372	1701	1148	751	---	128	1406	205	643
New Madrid	40585	73	79	200	352	10931	452	643	---	21203	3026	21	3957	11636	588	6344
Newton	45201	109	---	37417	37526	1430	1	1052	2822	741	977	414	238	2192	495	813
Nodaway	27174	57	300	117	474	5312	1	5609	3061	2498	3095	7027	97	9709	2853	3230
Oregon	5017	17	4	---	21	1028	89	751	1844	51	2	---	1231	1106	386	610
Osage	11515	64	---	53	117	2549	---	2507	2755	2785	251	505	46	3175	1165	1592
Ozark	3931	10	---	---	10	692	---	632	2596	---	---	---	1	984	290	415
Pemiscot	24589	2	37	469	508	3974	188	1728	348	12829	3504	---	1510	7745	1084	2363
Perry	7587	81	46	24	151	2320	126	1419	---	1580	861	1047	83	2131	722	1368
Pettis	13090	291	26	99	416	3101	2	2330	1667	1801	557	2919	297	4398	1157	1945
Phelps	7222	2583	---	---	2583	587	6	604	898	52	18	---	2474	590	303	419
Pike	35290	21	2729	217	2967	6487	---	8021	304	7390	3112	4031	2978	9763	4539	4623
Platte	4798	263	81	50	394	691	13	1015	733	---	40	1790	122	1950	500	440
Polk	5365	35	71	---	106	1256	25	1493	1772	510	---	59	144	1164	706	746
Pulaski	6189	150	---	---	150	1511	7	1624	2140	706	---	---	51	1347	748	894
Putnam	6638	4	49	317	370	1563	---	1291	1168	598	1623	---	25	1412	623	964
Ralls	8021	6	50	1393	1449	1986	---	1384	252	569	932	1340	109	2048	932	1500
Randolph	8794	1731	---	716	2447	2081	2	1048	986	462	863	63	842	1355	859	1479
Ray	7841	19	---	351	370	1476	---	831	822	713	615	2782	232	3227	509	924
Reynolds	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---
Ripley	3702	6	96	158	260	913	344	354	125	834	2	---	870	557	368	590
St. Charles	18897	2532	216	407	3155	1669	45	516	---	909	10547	1093	963	5060	501	1058
St. Clair	3404	16	---	27	43	1253	---	1082	578	364	25	---	59	568	505	749
St. Francois	1084	131	57	---	188	396	31	77	---	301	25	---	66	166	52	243
Ste. Genevieve	12629	67	124	67	258	3123	100	2014	25	2371	2022	2326	390	4142	1057	1857
St. Louis	9109	6728	42	7	6777	128	200	3	---	**	5	4	2135	845	104	379
Saline	18413	223	495	413	1131	2401	---	3144	17	2342	669	7947	762	8433	1811	1552
Schuyler	1762	13	---	220	233	467	---	452	---	336	83	189	2	429	215	290
Scotland	10598	4	2201	994	3199	1591	---	1507	---	814	1121	2276	90	3057	902	1238
Scott	63918	226	90	20920	21236	9019	79	5284	26	6873	16574	979	3848	11056	2582	5417
Shannon	1175	---	311	---	311	149	---	99	436	50	---	---	130	240	70	114
Shelby	22533	1	1074	88	1163	7355	---	5589	1876	2548	2069	1592	341	4833	3094	4590
Stoddard	67230	85	1019	556	1660	15389	721	9828	20	25569	5488	1387	7168	18019	5108	9492
Stone	1133	4	58	---	62	336	---	156	538	---	4	5	32	231	83	209
Sullivan	3626	8	210	---	218	971	---	799	645	500	490	---	3	763	424	650
Taney	288	144	---	26	170	---	12	---	---	---	---	---	106	6	5	3
Texas	17226	22	---	---	22	2291	153	1321	12474	161	---	---	804	4604	670	1355
Vernon	14515	40	---	196	236	4007	---	3351	2291	2140	236	2083	171	4163	1582	2423
Warren	6645	117	98	30	245	2293	65	423	285	967	202	265	1900	918	288	1428
Washington	1372	6	58	7	71	288	---	587	---	414	---	---	12	297	272	174
Wayne	1804	41	---	3	44	498	---	616	494	---	---	19	133	323	287	302
Webster	6979	584	382	4	970	1282	51	940	2480	370	25	---	861	1470	478	802
Worth	3582	---	---	---	---	558	---	768	910	539	199	608	---	1237	373	334
Wright	3936	116	2	---	118	876	---	528	2322	51	---	---	41	919	254	536

** Credits exceeded shipments.

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

Non – Profit
U.S. Postage
PAID
University of Missouri

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