

UNIVERSITY OF MISSOURI-COLUMBIA

Agricultural Experiment Station

MISSOURI FERTILIZER TONNAGE REPORT, 2005

FERTILIZER MATERIALS			DRY MIXED FERTILIZERS						LIQUID MIXED FERTILIZERS			
<u>NITROGEN MATERIALS</u>	<u>SPRING</u>	<u>FALL</u>	<u>BAGGED FERTILIZER</u>			<u>BULK MANUFACTURED</u>			<u>GRADES</u>	<u>SPRING</u>	<u>FALL</u>	
			<u>GRADES</u>	<u>SPRING</u>	<u>FALL</u>	<u>GRADES</u>	<u>SPRING</u>	<u>FALL</u>				
Ammonium Sulfate	19,377*	2,952*	> 1-1-1	25,339	2,960	0-14-42	110	4	2-6-12	5	82	
Amm. Thiosulfate	7,333*	1,672*	6-24-24	550	324	0-18-36	114	10	2-6-32	762	37	
N. Solutions (26-32%)	186,256*	49,430*	10-10-10	535	60	4-3-2	93	50	3-9-27	3,127	1,087	
Ammonium Nitrate	160,810*	67,106*	12-12-12	2,576	445	4-19-38	185	213	3-10-30	3,631	1,015	
Urea	157,172*	39,370*	13-13-13	3,569	1,091	6-18-36	86	35	3-18-18	3,099	894	
Anhydrous Ammonia	133,393	46,318	15-30-15	348	43	6-24-24	34	65	4-10-10	517	0	
Other	18,935	34,620	20-10-10	631	194	7-18-36	73	35	4-12-24	2,123	71	
TOTAL	<u>683,276</u>	<u>241,468</u>	22-3-14	-56	638	9-23-30	514	1,024	5-15-15	43	0	
			28-3-3	4,146	2,138	12-4-8	212	104	6-24-6	1,660	183	
PHOSPHATIC MATERIALS			29-3-4	1,155	75	17-17-17	-93	4	8-24-0	235	311	
Conc. Superphosphate	19,155*	17,543*	30-3-4	1,739	-47	19-19-19	275	6	9-18-9	394	132	
Phosphoric Acid	96*	495*	32-3-8	148	256	25-10-10	281	0	10-20-10	377	25	
Rock Phosphate	189	54	34-3-11	55	361	32-2-0	908	8,174	10-30-0	3,373	296	
Other	563	155	Misc.	16,946	10,598	Misc.	17,985	8,367	10-34-0	4,917	741	
TOTAL	<u>20,003</u>	<u>18,247</u>	TOTAL	<u>56,681</u>	<u>19,136</u>	TOTAL	<u>20,777</u>	<u>18,091</u>	10.6-36-0	1,130	603	
									11-33-0	645	0	
POTASH MATERIALS									11-37-0	1,082	319	
Muriate of Potash	270,701*	126,729*	AMMONIUM PHOSPHATES							17-2-3	1,196	514
Other	3,909	1,759	<u>BAGGED FERTILIZER</u>			<u>BULK FERTILIZER</u>			17-2-5	17	0	
TOTAL	<u>274,610</u>	<u>128,488</u>	<u>SPRING</u>	<u>FALL</u>	<u>SPRING</u>	<u>FALL</u>		20-3.6-3.6	-25	0		
			11-52-0	2	82	46,938*	36,042*	Misc.	4,309	985		
MISC. MATERIALS			18-46-0	107	42	179,196*	88,032*	TOTAL	<u>32,617</u>	<u>7,295</u>		
Organics	17,145	5,871	TOTAL	<u>109</u>	<u>124</u>	<u>226,134</u>	<u>124,074</u>					
Other	57,910	149,969	=====									
TOTAL	<u>75,055</u>	<u>155,840</u>	TOTAL MIXED FERTILIZER			<u>SPRING</u>	<u>FALL</u>	PRINCIPAL BLENDING MATERIALS				
			TOTAL ALL FERTILIZERS			337,318	168,721	(Approximate Tons Used in Blends)				
			GRAND TOTAL			1,390,262	712,764		<u>SPRING</u>	<u>FALL</u>		
			=====			2,103,026		Ammonium Nitrate	128,648	53,685		
			=====			=====		Urea	125,738	31,496		
			=====			=====		Amm Phosphates	180,907	99,259		
			=====			=====		Conc. Phosphates	15,324	14,034		
			=====			=====		Muriate of Potash	216,561	101,383		

* Includes tonnage reported as materials but blended prior to application

FERTILIZER AND PLANT FOOD TONNAGES SHIPPED FOR USE IN MISSOURI SINCE 1949

YEAR	TOTAL TONS FERTILIZER	TOTAL TONS OF PLANT FOODS			MIXED FERTILIZERS		FERTILIZER MATERIALS			ROCK PHOSPHATE
		TOTAL TONS NITROGEN	AVAIL P ₂ O ₅	K ₂ O	TOTAL TONS	AVERAGE %N-P ₂ O ₅ -K ₂ O	TONS N	TONS P ₂ O ₅	TONS K ₂ O	
1949	364,677	13,426	42,472	18,895	248,000	3.3-12.8-7.1	5,341	10,802	1,337	57,468
1950	482,123	21,865	52,641	26,047	240,497	3.8-13.9-8.2	10,826	12,175	2,255	116,451
1951	647,393	30,988	61,989	38,371	390,292	4.3-14.1-8.9	14,049	6,919	3,479	182,324
1952	847,284	48,478	75,344	52,590	468,347	5.3-14.8-9.4	23,656	6,263	8,565	276,459
1953	763,276	57,681	72,427	55,483	458,042	6.4-14.9-10.2	28,376	4,270	8,944	200,436
1954	771,375	76,960	81,136	68,070	517,244	7.3-14.4-10.8	39,185	6,529	12,232	121,748
1955	771,556	66,771	70,223	61,379	449,871	7.9-14.2-11.2	31,339	6,398	11,019	212,415
1956	785,949	74,337	71,302	65,953	454,525	8.3-14.1-11.9	36,357	7,040	11,972	205,080
1957	801,210	90,845	67,419	63,418	413,044	9.0-14.1-11.8	53,589	9,331	14,560	208,779
1958	790,651	83,403	64,886	60,553	432,811	9.7-13.5-11.9	41,534	6,599	9,173	226,810
1959	840,762	110,045	84,860	75,671	525,322	10.1-14.4-12.2	57,269	9,458	11,380	144,926
1960	858,993	116,626	81,787	74,320	510,655	10.5-14.5-12.5	63,155	7,706	10,433	168,269
1961	824,086	118,992	76,645	67,826	465,360	10.7-15.0-12.4	69,149	6,775	9,995	162,546
1962	927,512	134,505	87,432	81,429	531,664	11.0-15.3-13.0	76,131	5,960	12,166	183,136
1963	1,057,377	172,048	102,301	95,666	605,032	11.0-16.0-13.6	105,289	5,281	13,384	188,523
1964	1,109,851	192,993	110,695	106,039	644,205	11.2-16.3-14.3	120,635	5,519	14,110	170,701
1965	1,119,007	191,265	115,139	113,293	679,252	11.6-16.3-14.7	112,365	4,713	13,319	175,450
1966	1,293,765	219,469	144,626	148,119	863,998	11.4-16.4-15.7	121,452	3,097	12,240	155,584
1967	1,291,027	229,128	145,686	151,197	868,919	11.5-16.5-16.1	129,224	2,128	11,774	126,054
1968	1,413,598	274,666	156,926	173,981	936,435	11.1-16.4-16.8	170,734	3,300	16,313	114,243
1969	1,398,379	260,823	162,781	190,343	988,138	11.2-16.2-17.6	150,290	2,997	16,577	82,703
1970	1,421,905	298,898	161,917	183,134	975,686	11.8-16.3-17.4	183,682	3,255	13,080	70,099
1971	1,558,585	336,784	188,894	212,105	1,333,416	12.4-16.4-17.4	196,420	2,882	15,250	35,192
1972	1,577,781	336,809	199,975	216,779	1,195,529	13.6-16.5-17.1	174,833	2,701	12,972	19,410
1973	1,586,053	326,260	187,595	236,136	1,265,147	14.1-14.7-17.8	148,206	1,564	10,764	4,493
1974	1,551,057	335,128	181,124	225,845	1,156,830	13.0-15.7-18.5	185,010	4,281	12,340	547
1975	1,348,244	303,073	163,927	189,553	990,485	13.0-16.6-18.1	175,455	620	9,894	1,411
1976	1,764,772	409,526	205,082	258,997	1,310,314	14.9-15.4-18.6	214,173	3,323	15,372	1,631
1977	1,599,131	377,698	180,840	232,687	1,175,295	14.4-15.3-18.9	207,442	925	10,175	690
1978	1,641,026	337,977	197,455	271,878	1,301,099	14.5-15.1-19.7	149,432	1,552	15,510	1,320
1979	1,909,454	369,782	230,250	320,782	1,536,164	13.6-14.9-19.7	161,835	1,572	18,613	366
1980	1,973,113	419,809	228,428	317,431	1,470,812	14.3-15.4-19.7	209,113	3,106	27,967	483
1981	1,662,293	368,935	164,210	254,310	1,107,001	13.2-14.8-20.9	222,693	981	23,248	230
1982	1,345,383	311,319	129,737	195,823	863,660	14.2-14.7-19.4	189,464	2,624	28,728	296
1983	1,594,544	343,839	177,143	255,793	1,063,841	13.8-16.0-20.7	197,492	6,493	35,312	2,131
1984	1,361,714	306,505	133,294	202,189	422,342*	13.8-24.9-9.9	242,555	19,976	156,315	297
1985	1,485,609	357,793	141,185	212,575	416,158*	15.5-28.2-10.7	293,356	24,006	168,125	424
1986	1,491,807	355,848	147,002	222,734	387,103*	15.5-30.7-9.6	295,977	27,984	185,703	358
1987	1,640,909	369,574	183,298	265,939	461,819*	15.1-32.7-8.0	299,790	32,278	228,977	188
1988	1,665,972	391,283	180,617	245,733	448,348*	14.9-33.5-6.4	324,657	30,288	217,082	447
1989	1,754,283	418,524	180,120	264,479	433,701*	14.9-34.4-5.8	353,945	31,053	239,329	480
1990	1,577,530	378,953	159,077	227,942	389,045*	15.2-34.9-5.2	320,000	23,056	207,537	632
1991	1,603,921	392,348	163,698	226,658	402,737*	15.0-34.6-5.1	331,927	24,250	205,982	518
1992	1,822,057	446,281	191,124	261,511	445,786*	15.5-36.8-4.5	377,191	27,085	241,190	648
1993	1,694,931	412,665	167,651	229,620	392,681*	16.0-38.0-4.0	351,170	20,025	213,626	52
1994	1,772,395	431,126	182,428	258,393	427,422*	15.7-37.3-4.1	364,019	22,761	240,753	109
1995	1,613,085	382,996	162,234	243,357	380,311*	15.7-36.7-3.8	323,265	22,609	228,901	0
1996	1,611,210	401,172	156,166	230,594	376,763*	15.5-36.4-4.5	342,857	18,904	213,686	444
1997	1,883,112	442,371	190,100	301,355	462,484*	15.4-36.7-5.0	370,973	20,582	278,159	363
1998	1,744,090	429,548	175,059	240,269	439,666*	15.2-36.3-4.1	362,533	15,335	222,374	401
1999	1,788,208	453,558	173,602	247,201	441,402*	15.1-36.2-4.1	386,962	13,888	228,957	380
2000	1,945,582	474,990	190,254	264,996	488,477*	14.8-36.0-3.8	402,177	14,337	246,548	177
2001	1,935,182	460,508	198,676	269,210	502,280*	15.2-36.9-3.2	384,319	13,304	253,002	370
2002	2,051,244	495,727	203,798	285,633	542,480*	14.3-35.2-3.1	418,213	12,606	268,548	265
2003	2,059,045	476,820	200,875	284,789	568,957*	14.1-33.5-3.0	396,445	10,186	267,938	479
2004	2,027,081	449,190	189,490	295,228	587,837*	12.8-30.2-2.8	373,850	11,730	278,424	334
2005	2,103,026	474,115	200,690	258,774	545,063*	14.1-33.4-2.8	396,864	18,424	243,320	243

* Does not include bulk dry blends which are reported as input materials.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2005

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	3304	93	---	2	95	1059	2	1050	923	157	---	---	18	577	494	662
Andrew	5686	42	26	70	138	1006	---	1903	1730	207	---	693	9	1602	916	620
Atchison	30121	19	---	2762	2781	2414	---	3148	2982	1	8716	2408	7671	6509	2379	1689
Audrain	23871	111	123	795	1029	7720	13	5926	---	2042	525	4817	1799	6215	3170	4843
Barry	5895	55	84	---	139	1533	---	876	3346	---	---	---	1	1314	410	922
Barton	19955	23	418	335	776	4297	---	4332	2414	3292	2178	1890	776	5434	2154	2664
Bates	10420	21	---	175	196	2386	---	3107	1124	1737	283	1587	---	3139	1461	1466
Benton	5845	62	---	113	175	2107	26	1390	76	1094	251	516	210	1334	683	1316
Bollinger	2893	4	---	33	37	828	204	1056	571	197	---	---	---	478	585	498
Boone	8767	1136	4	574	1714	1721	5	2421	415	248	486	1720	37	2344	1290	1123
Buchanan	11060	931	340	176	1447	561	38	1216	794	406	3313	2873	412	4103	779	461
Butler	27611	207	500	50	757	7628	2736	2709	100	10554	1733	---	1394	6157	2580	4685
Caldwell	14860	---	---	71	71	2648	---	2987	2230	2953	998	2924	49	5354	1423	1590
Callaway	7522	178	178	102	458	2039	---	2291	1061	488	523	657	5	1725	1106	1325
Camden	290	262	---	---	262	---	3	---	---	---	---	3	22	20	5	13
Cape Girardeau	17872	1254	505	302	2061	3130	601	2609	2097	1704	2386	1126	2158	3992	1635	2017
Carroll	8859	14	---	312	326	835	---	1025	10	970	815	4862	16	4899	581	498
Carter	6	6	---	---	6	---	---	---	---	---	---	---	---	---	---	---
Cass	12102	618	989	107	1714	2226	170	2444	1931	1061	1171	1055	330	3043	1472	1567
Cedar	18971	32	---	9428	9460	1083	5106	1186	1858	206	---	---	72	951	2398	657
Chariton	18268	27	1199	1290	2516	5575	39	2724	205	2212	**	5053	259	5746	1814	3967
Christian	4970	684	423	---	1107	862	26	602	2228	2	---	---	143	920	347	530
Clark	10113	43	57	753	853	3423	**	2680	214	452	**	3400	115	3188	1535	2110
Clay	2051	1306	556	147	2009	9	11	---	---	3	---	---	19	224	38	68
Clinton	4603	81	22	10	113	1429	---	834	703	426	48	1028	22	1449	392	881
Cole	9459	859	31	8	898	2410	86	2168	1613	1198	76	706	304	2205	1088	1546
Cooper	18035	50	---	10	60	4114	207	4188	2038	2588	2042	2731	67	5525	2033	2558
Crawford	2119	53	---	---	53	538	---	617	824	5	---	---	82	404	287	325
Dade	15793	731	---	28	759	4150	1	3824	5823	1098	---	---	138	3253	1844	2460
Dallas	3302	101	1	---	102	850	78	989	1270	---	---	---	13	617	493	526
Daviess	3433	126	24	---	150	989	---	701	674	166	50	698	5	1005	375	629
DeKalb	6936	1	---	12	13	1192	129	624	420	131	305	1573	2549	1725	349	716
Dent	2115	128	---	---	128	760	99	542	531	---	---	---	55	296	304	466
Douglas	787	41	---	---	41	221	---	152	373	---	---	---	---	152	70	132
Dunklin	57063	104	2223	681	3008	12141	226	4692	2975	8889	20298	114	4720	13403	2690	8031
Franklin	15552	1147	212	6	1365	3154	314	3242	2168	3836	---	1330	143	4320	1728	2042
Gasconade	11226	129	---	194	323	2941	128	2812	1495	2641	180	580	126	2781	1444	1812
Gentry	10999	43	---	**	**	1090	1	2352	3448	4	2091	2021	---	3818	1172	658
Greene	17607	5593	25	193	5811	3071	108	2300	4268	79	---	1314	656	3637	1363	2135
Grundy	9663	53	---	2	55	3521	---	1519	1688	686	348	1821	25	2739	744	2161
Harrison	10125	41	---	65	106	2231	---	1648	1127	125	1362	3403	123	3879	854	1361
Henry	9137	287	24	---	311	2940	27	2465	2319	1031	---	---	44	1711	1171	1783
Hickory	2155	---	76	---	76	405	---	512	1084	78	---	---	---	497	236	244
Holt	15213	9	---	1313	1322	1614	---	2236	1783	11	2460	3913	1874	4884	1403	1092
Howard	8	6	---	1	7	---	---	---	---	---	---	---	1	---	---	---
Howell	12898	221	98	1	320	2939	136	3635	5536	2	---	---	330	2615	1748	1788
Iron	38	18	---	---	18	---	---	---	---	---	---	20	---	16	---	---
Jackson	9186	8549	37	18	8604	83	97	3	25	45	2	8	319	1236	212	337
Jasper	14827	739	1694	73	2506	2808	4	2016	2359	3445	1283	202	204	3625	1232	2069
Jefferson	1957	1220	---	---	1220	203	92	199	---	158	---	---	85	225	149	162
Johnson	3274	184	50	324	558	523	---	555	263	371	937	---	67	670	329	384
Knox	8646	2	542	285	829	2773	---	1817	953	137	177	1959	1	2373	1040	1859
Laclede	8610	437	24	---	461	2814	239	2249	2512	125	---	---	210	1341	1157	1701
Lafayette	23516	71	**	198	240	5222	---	5095	670	3934	2724	4267	1364	7309	2656	3210
Lawrence	6245	56	---	---	56	1776	---	1262	2780	368	---	---	4	1338	581	1039
Lewis	15886	14	---	75	89	5734	362	3662	1282	568	591	3569	29	4445	1900	3511
Lincoln	16234	308	2	110	420	4442	649	3407	505	3443	1273	2003	92	4435	1953	2761

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2005.

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	1751	23	6	---	29	475	1	537	598	106	---	---	6	337	267	297
Andrew	2022	1	---	---	1	479	---	436	464	77	---	564	1	712	219	288
Atchison	19980	2	---	545	547	2653	---	3536	732	185	9639	1629	1059	5115	2011	1595
Audrain	11665	6	74	369	449	3443	---	4910	186	264	167	1954	292	2674	2415	2163
Barry	1814	1	12	---	13	301	---	390	1110	---	---	---	---	446	180	185
Barton	14813	7	304	150	461	3489	---	2940	2045	1545	329	1379	2625	3223	1417	2099
Bates	5030	---	---	75	75	1660	---	2034	348	776	---	137	---	956	949	1009
Benton	3164	21	---	---	21	493	---	1215	132	1129	---	122	52	896	561	308
Bollinger	1291	---	350	---	350	308	---	373	122	138	---	---	---	284	178	185
Boone	3815	405	209	75	689	1472	5	197	229	109	303	728	83	953	123	948
Buchanan	9406	404	34	61	499	873	---	885	309	271	196	701	5672	1129	498	581
Butler	4281	19	278	---	297	886	373	251	---	2418	---	---	56	1175	334	631
Caldwell	10043	5	751	---	756	2690	---	3654	1472	390	78	985	18	2312	1697	1776
Callaway	1199	39	---	---	39	404	---	379	211	165	---	---	1	220	180	254
Camden	76	59	---	---	59	2	1	---	---	---	---	---	14	8	3	8
Cape Girardeau	6267	262	449	39	750	1828	414	757	218	420	1	---	1879	604	578	1131
Carroll	3712	1	---	25	26	1302	---	902	43	237	101	984	117	1080	463	803
Carter	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cass	6066	230	---	72	302	1670	102	1741	207	397	1241	222	184	1169	941	1034
Cedar	6114	---	---	---	---	667	3519	1040	709	179	---	---	---	501	1753	400
Chariton	10860	11	650	426	1087	976	1	3881	31	298	1062	2932	592	3542	2143	906
Christian	1683	251	222	---	473	379	---	303	509	---	---	---	19	262	173	242
Clark	11935	---	42	33	75	1279	91	1645	---	375	7740	673	57	3435	896	786
Clay	843	636	---	54	690	49	1	---	---	98	---	---	5	192	29	56
Clinton	7735	5	---	---	5	1232	---	2968	2270	75	50	1108	27	2270	1365	760
Cole	1813	280	74	---	354	294	23	441	176	412	1	80	32	438	247	219
Cooper	7034	4	4	7	15	1897	77	2584	1050	540	84	743	44	1707	1228	1175
Crawford	427	8	---	---	8	77	---	271	47	24	---	---	---	76	125	48
Dade	4398	377	382	3	762	1249	---	807	1185	391	---	---	4	890	430	841
Dallas	1758	6	32	---	38	297	---	420	1003	---	---	---	---	419	203	187
Davies	2948	10	51	---	61	909	---	991	711	---	75	201	---	573	504	553
DeKalb	19303	8	---	---	8	623	124	1184	1712	2	252	465	14933	1380	618	381
Dent	1114	20	---	---	20	471	26	375	222	---	---	---	---	145	187	285
Douglas	60	---	---	---	---	---	---	25	25	10	---	---	---	17	11	---
Dunklin	7670	5	907	33	945	2889	716	312	5	1094	1051	---	658	1153	557	1951
Franklin	6085	362	65	174	601	1777	231	1394	501	1145	---	407	29	1350	818	1162
Gasconade	4044	26	145	---	171	1064	14	1214	980	449	25	102	25	850	613	670
Gentry	6844	---	---	---	---	1065	---	1219	2120	---	1172	1266	2	2245	618	646
Greene	8957	4320	22	53	4395	1421	135	880	1607	60	---	---	459	1769	668	1028
Grundy	2812	---	4	---	4	458	---	886	830	---	169	464	1	869	409	275
Harrison	2830	---	11	22	33	873	---	867	354	213	---	347	143	606	459	527
Henry	6551	8	---	---	8	1575	27	2360	1571	1009	---	---	1	1389	1136	957
Hickory	972	50	50	---	100	235	---	330	77	230	---	---	---	192	152	142
Holt	11387	---	---	53	53	1558	---	2272	1094	25	4211	1724	450	3309	1151	953
Howard	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Howell	4285	34	991	---	1025	675	26	513	1694	---	---	---	352	1051	272	413
Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Jackson	3964	2540	513	218	3271	36	15	20	---	108	40	---	474	650	143	229
Jasper	7136	86	2007	26	2119	1486	219	1534	498	616	509	20	135	1075	1277	1508
Jefferson	524	398	---	---	398	28	30	27	---	32	---	---	9	91	40	47
Johnson	946	258	---	99	357	55	5	158	---	107	207	---	57	174	106	61
Knox	4391	---	---	---	---	1296	---	1244	190	27	204	1423	7	1507	594	777
Laclede	4085	44	29	---	73	1230	127	58	2304	293	---	---	---	936	85	739
Lafayette	16655	16	---	319	335	3209	1	3877	---	815	4511	2936	971	5001	2097	1961
Lawrence	5530	---	2540	---	2540	918	---	629	1211	232	---	---	---	1421	335	573
Lewis	6280	2	---	23	25	1849	183	1883	343	819	---	1122	56	1742	980	1121
Lincoln	5883	111	53	---	164	1784	406	1271	377	719	298	702	162	1408	810	1123

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2005

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	8557	42	46	43	131	3128	409	1434	904	1048	74	1395	34	2160	942	1944
Livingston	6120	66	---	63	129	1857	172	1142	868	606	1077	263	6	1324	623	1126
McDonald	2733	55	---	---	55	257	---	224	2143	1	7	33	13	799	103	154
Macon	10029	84	165	6	255	3817	---	1979	389	943	97	1700	849	2472	1031	2349
Madison	1304	63	---	---	63	440	---	523	---	275	---	---	3	222	241	264
Maries	13	---	---	9	9	1	---	1	1	---	---	---	1	1	1	1
Marion	22262	32	75	472	579	6540	---	6904	1143	876	2240	3899	81	5890	3463	3965
Mercer	41963	17207	741	22234	40182	456	26	412	383	---	24	465	15	831	758	525
Miller	4851	247	3	---	250	1295	24	1065	571	1622	1	---	23	1144	494	803
Mississippi	58331	36	133	1463	1632	7054	848	5502	974	5740	31493	873	4215	15382	3297	4160
Moniteau	3092	129	85	126	340	297	42	680	---	1030	173	522	8	1094	368	217
Monroe	15173	25	129	22	176	5065	571	3254	2158	8	204	3188	549	4095	1834	3102
Montgomery	15713	86	301	321	708	3480	129	3130	1061	2196	2138	2695	176	4820	1735	2188
Morgan	7487	99	---	39	138	1534	54	1645	1712	1514	706	---	184	1808	801	959
New Madrid	61861	32	1415	2010	3457	12690	1035	6487	142	17848	15471	82	4649	15944	3776	7859
Newton	12267	152	---	60	212	2074	39	1555	3101	846	98	183	4159	1930	744	1230
Nodaway	21502	73	822	488	1383	2870	---	3886	2848	177	5233	4972	133	7283	2276	1940
Oregon	7459	116	267	---	383	1830	25	1898	3323	---	---	---	---	1568	881	1089
Osage	9245	110	---	174	284	1942	180	1553	2981	1333	376	536	60	2492	828	1236
Ozark	6387	10	---	---	10	1554	---	1435	3234	---	---	---	154	1374	659	932
Pemiscot	32986	34	66	79	179	2659	501	591	---	9030	17541	36	2449	10134	488	1621
Perry	12537	404	---	73	477	2639	266	2408	1926	1523	1785	1497	16	3616	1264	1546
Pettis	14119	334	---	148	482	3495	---	3858	2574	1104	444	2059	103	3876	1900	2197
Phelps	11979	9295	---	2	9297	796	100	851	810	47	---	---	78	1269	740	718
Pike	35428	49	523	552	1124	10520	---	7677	2840	1814	4077	5672	1704	9365	3809	6464
Platte	6784	524	44	---	568	730	---	717	2845	755	60	1106	3	2431	356	459
Polk	7694	88	125	---	213	1615	---	2426	2658	570	---	---	212	1667	1137	983
Pulaski	6044	151	---	---	151	1547	---	1932	2101	297	---	---	16	1199	891	930
Putnam	7011	26	---	---	26	1726	102	1756	1273	675	1374	16	63	1513	861	1053
Ralls	11402	29	---	4214	4243	1734	305	1814	329	552	844	1538	43	2401	1733	1934
Randolph	10331	1787	20	2733	4540	1316	1	1073	1337	53	1497	---	514	1539	1038	1523
Ray	19179	101	---	187	288	3407	1	3547	2595	833	1741	6372	395	7531	1912	2106
Reynolds	10	10	---	---	10	---	---	---	---	---	---	---	---	---	---	---
Ripley	4375	35	269	229	533	893	227	1000	820	536	15	---	351	793	659	646
St. Charles	23015	4208	3866	602	8676	1344	36	1168	54	964	9522	1073	178	5109	999	1031
St. Clair	6569	42	24	---	66	1583	25	1808	2059	1028	---	---	---	1499	844	950
St. Francois	2143	497	2	8	507	519	25	483	---	604	---	---	5	388	250	326
Ste. Genevieve	8449	119	---	140	259	1774	49	1307	347	1380	1528	1797	8	2975	680	1074
St. Louis	16259	12815	87	467	13369	127	238	7	1666	74	102	28	648	2193	404	612
Saline	25903	191	108	1343	1642	4142	---	3279	100	1590	1514	12285	1351	11935	2014	2614
Schuyler	2515	12	710	412	1134	418	---	462	---	426	18	51	6	397	229	272
Scotland	8968	12	327	2346	2685	1810	614	869	500	341	928	1111	110	1850	1041	1740
Scott	25936	238	688	759	1685	2505	387	1454	710	1592	14533	865	2205	6848	1151	1637
Shannon	3980	22	---	---	22	974	49	915	860	257	293	595	15	1153	446	589
Shelby	19756	42	2682	1055	3779	5164	---	3909	1941	1100	1346	2373	144	4581	2461	3997
Stoddard	61119	95	788	41	924	10329	1134	8168	4130	22194	7715	1467	5058	17840	4402	6379
Stone	596	16	---	---	16	501	---	79	---	---	---	---	---	14	36	310
Sullivan	3982	14	---	---	14	1452	106	1089	637	159	453	66	6	679	554	885
Taney	718	648	66	---	714	---	---	---	1	---	---	---	3	35	13	18
Texas	17390	32	---	---	32	4698	128	4637	6215	198	344	665	473	3661	2215	2855
Vernon	18199	58	20	223	301	3709	---	4708	3076	3290	833	2154	128	5445	2212	2269
Warren	6816	**	5	25	**	880	72	1740	179	1727	---	488	1869	1552	804	503
Washington	2397	42	72	---	114	660	---	983	---	640	---	---	---	473	453	398
Wayne	2496	28	---	---	28	746	49	925	672	---	---	---	76	407	448	448
Webster	5520	231	74	8	313	1853	73	1081	2139	6	---	---	55	969	548	1138
Worth	1673	---	---	---	---	200	---	349	615	53	25	431	---	646	169	120
Wright	11673	192	11	1	204	3792	1	2471	5044	130	---	---	31	2225	1155	2309

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2005.

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	4038	23	9	30	62	1013	67	1060	1028	134	---	624	50	1077	586	637
Livingston	2538	22	7	---	29	535	43	889	309	379	211	81	62	579	439	324
McDonald	360	9	---	---	9	67	---	88	196	---	---	---	---	82	40	39
Macon	7046	11	7	2	20	1190	---	2174	231	1081	322	607	1421	1502	1083	687
Madison	150	---	---	---	---	50	---	75	---	25	---	---	---	25	34	30
Maries	101	---	---	---	---	101	---	---	---	---	---	---	---	---	---	60
Marion	7703	17	283	260	560	2327	---	2320	510	209	561	1187	29	1819	1245	1534
Mercer	48189	3	390	47616	48009	88	---	51	40	---	---	---	1	835	1961	381
Miller	806	26	1	---	27	83	---	177	124	378	---	---	17	250	81	49
Mississippi	15205	---	---	126	126	6593	1575	2553	147	980	2107	97	1027	1829	1918	3839
Moniteau	1650	24	1	25	50	978	65	422	---	2	25	104	4	174	231	614
Monroe	7300	2	26	---	28	1570	74	2140	1328	45	265	1791	59	2378	1055	952
Montgomery	5546	10	4	---	14	1462	---	1921	156	598	794	522	79	1313	962	906
Morgan	2591	21	3	3	27	549	25	564	1088	312	---	---	26	614	282	343
New Madrid	12896	1	380	25	406	5422	1194	1913	62	2379	574	60	886	1914	1453	3322
Newton	7267	48	181	---	229	1105	**	819	1008	71	25	96	3926	665	374	705
Nodaway	16003	14	52	46	112	2974	---	3086	2338	1	5193	2210	89	4478	1594	1808
Oregon	2204	---	493	---	493	379	---	315	919	---	---	---	98	543	154	229
Osage	2893	55	8	25	88	744	26	726	594	712	---	---	3	667	357	472
Ozark	1371	3	---	---	3	301	---	225	842	---	---	---	---	323	103	180
Pemiscot	8284	1	8	**	6	1524	4555	452	---	1393	110	---	244	794	2260	917
Perry	5024	68	727	16	811	1914	378	1321	251	180	28	141	---	765	807	1169
Pettis	5466	55	11	50	116	1477	---	1579	1666	293	47	249	39	1175	783	929
Phelps	1641	1003	11	---	1014	200	---	---	407	---	---	---	20	242	39	184
Pike	5458	3	3	25	31	1788	---	2440	537	206	70	374	12	1035	1136	1092
Platte	3997	83	---	---	83	657	**	1507	1131	235	1	338	51	1055	694	413
Polk	2158	---	---	---	---	844	---	750	436	76	---	---	52	328	344	497
Pulaski	2225	5	128	---	133	559	---	379	1024	130	---	---	---	515	177	335
Putnam	1950	3	---	---	3	570	26	728	87	---	481	---	55	318	347	351
Ralls	6384	11	---	1610	1621	1625	110	1303	26	223	758	668	50	1222	985	1278
Randolph	3129	305	6	955	1266	342	26	568	683	133	25	83	3	561	418	462
Ray	8323	19	---	---	19	1791	---	2017	540	184	774	2872	126	3124	1051	1096
Reynolds	35	---	26	---	26	---	---	---	---	---	9	---	---	7	1	6
Ripley	332	---	10	32	42	1	3	50	---	206	---	---	30	107	30	7
St. Charles	8139	1312	2004	150	3466	1065	18	882	---	402	1284	790	232	1631	618	855
St. Clair	3893	5	---	---	5	1414	---	954	1184	332	---	---	4	727	438	866
St. Francois	1463	47	15	---	62	401	157	465	---	377	---	---	1	263	292	246
Ste. Genevieve	4066	47	168	---	215	952	298	1198	51	621	332	395	4	980	720	579
St. Louis	5345	4266	95	156	4517	225	26	292	---	59	4	3	219	797	387	468
Saline	13930	9	213	76	298	3100	634	3700	5	936	535	4282	440	4613	2239	1928
Schuyler	132	---	---	---	---	30	---	6	---	51	---	44	1	60	3	18
Scotland	3150	---	---	450	450	1011	515	256	359	310	76	160	13	478	405	715
Scott	7858	31	306	30	367	2738	388	1422	---	270	127	40	2506	514	904	1635
Shannon	4153	---	258	---	258	1010	50	961	1428	---	---	438	8	1052	490	660
Shelby	7425	---	54	39	93	2468	---	2552	1433	218	41	492	128	1433	1236	1532
Stoddard	12987	20	86	74	180	4938	921	3082	69	3198	269	40	290	2201	1865	2992
Stone	957	---	---	---	---	201	---	321	435	---	---	---	---	203	147	124
Sullivan	1292	---	---	---	---	184	26	475	104	425	78	---	---	334	233	112
Taney	66	65	1	---	66	---	---	---	---	---	---	---	---	3	1	2
Texas	10695	6	2413	---	2419	1796	80	1549	3233	489	147	559	423	2794	836	1109
Vernon	11145	3	89	135	227	3002	---	3757	1821	1523	208	571	36	2563	1753	1824
Warren	2171	291	16	---	307	445	22	389	---	437	---	100	471	415	201	290
Washington	275	---	---	---	---	103	---	100	---	50	---	---	22	41	46	61
Wayne	498	---	---	---	---	176	24	201	98	---	---	---	---	69	103	105
Webster	3130	16	101	2	119	626	24	323	2024	5	8	---	1	750	162	359
Worth	1988	---	---	---	---	438	---	481	662	---	226	180	1	515	230	265
Wright	5491	43	360	---	403	1034	26	1198	2642	184	---	---	3	1277	568	703

** Credits exceeded shipments.

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

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