

**UNIVERSITY OF MISSOURI-COLUMBIA
Agricultural Experiment Station**

MISSOURI FERTILIZER TONNAGE REPORT, 2002

FERTILIZER MATERIALS			DRY MIXED FERTILIZERS						LIQUID MIXED FERTILIZERS			
<u>NITROGEN MATERIALS</u>			<u>BAGGED FERTILIZER</u>			<u>BULK MANUFACTURED</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>	<u>GRADES</u>	<u>SPRING</u>	<u>FALL</u>	
Ammonium Sulfate	14,163*	5,455*	5-5-20	114	4	0-14-42	---	---	2-6-12	296	---	
Amm. Thiosulfate	7,667*	1,912*	6-24-24	659	280	0-18-36	247	40	2-6-32	1,024	96	
N. Solutions (26-32%)	190,487*	42,225*	10-6-4	352	12	4-3-2	1,049	606	3-9-27	3,363	1,439	
Ammonium Nitrate	195,691*	94,607*	10-18-22	60	53	5-20-20	319	---	3-10-30	2,317	1,102	
Urea	153,247*	54,763*	12-12-12	1,646	413	6-18-36	47	136	3-18-18	1,524	350	
Anhydrous Ammonia	106,416	68,811	13-13-13	4,047	1,306	6-24-24	58	18	4-10-10	196	25	
Other	47,321	29,116	15-30-15	347	36	7-18-36	26	57	4-12-24	1,122	455	
TOTAL	<u>714,992</u>	<u>296,889</u>	17-2-5	198	---	8-12-04	485	159	5-15-15	331	137	
<u>PHOSPHATIC MATERIALS</u>			20-10-10	541	163	9-23-30	1,013	919	6-24-6	477	25	
Conc. Superphosphate	13,106*	12,994*	22-3-14	---	458	13-13-26	533	---	8-24-0	773	---	
Phosphoric Acid	948*	-14*	24-4-12	249	200	17-11-21	258	---	9-18-9	456	5	
Rock Phosphate	164	101	28-3-3	3,232	-150	19-19-19	929	33	10-20-10	550	181	
Other	372	150	29-3-4	1,045	100	25-10-10	447	---	10-30-0	1,687	563	
TOTAL	<u>14,590</u>	<u>13,231</u>	Misc.	41,647	13,612	Misc.	19,427	15,700	10-34-0	6,424	1,249	
			TOTAL	<u>54,137</u>	<u>16,487</u>	TOTAL	<u>24,838</u>	<u>17,668</u>	10-6-36-0	955	519	
<u>POTASH MATERIALS</u>			<u>AMMONIUM PHOSPHATES</u>									
Muriate of Potash	259,201*	181,254*	<u>BAGGED FERTILIZER</u>			<u>BULK FERTILIZER</u>						
Other	3,574	1,168	<u>SPRING</u>			<u>SPRING</u>						
TOTAL	<u>262,775</u>	<u>182,422</u>	11-52-0	8	-2	35,553*	41,354*					
<u>MISC. MATERIALS</u>			18-46-0	62	129	188,026*	101,456*					
Organics	19,151	4,723	TOTAL	<u>70</u>	<u>127</u>	<u>223,579</u>	<u>142,810</u>					
Other	959	605							<u>PRINCIPAL BLENDING MATERIALS</u>			
TOTAL	<u>20,110</u>	<u>5,328</u>							(Approximate Tons Used in Blends)			
<u>TOTAL MATERIALS</u>			<u>TOTAL MIXED FERTILIZER</u>			<u>SPRING</u>		<u>FALL</u>				
	<u>1,012,467</u>	<u>497,870</u>	<u>TOTAL ALL FERTILIZERS</u>			354,631	186,285					
			<u>GRAND TOTAL</u>			1,367,089	684,155					
			<u>2,051,244</u>									
									<u>SPRING</u>	<u>FALL</u>		
									Ammonium Nitrate	156,553	75,686	
									Urea	122,589	43,810	
									Amm Phosphates	178,863	114,248	
									Conc. Phosphates	10,485	10,395	
									Muriate of Potash	207,361	145,003	

* 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
		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	1,594,541	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

* 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, 2002

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	4835	155	---	80	235	858	---	720	1019	1910	77	---	16	1389	378	544
Andrew	5803	139	52	81	272	1594	---	1080	1643	733	18	424	39	1484	545	1004
Atchison	24571	138	262	1974	2374	2566	---	3848	2904	362	5791	6020	706	8616	2591	1752
Audrain	14376	152	207	175	534	3221	38	2995	52	1906	963	3817	850	4901	1573	2031
Barry	6423	86	16	---	102	1747	23	1082	3453	---	7	---	9	1372	508	1054
Barton	18372	22	63	468	553	4494	---	4603	891	3493	2622	1653	63	4954	2295	2516
Bates	31164	35	---	61	96	8367	---	9019	3962	5123	978	3576	43	8547	4178	5031
Benton	5070	100	---	50	150	1179	---	886	128	1922	98	344	363	1486	420	720
Bollinger	3080	31	---	11	42	815	24	947	1001	251	---	---	---	630	451	493
Boone	8051	929	390	48	1367	1517	8	1589	746	318	521	1896	89	2487	890	1036
Buchanan	25578	759	190	569	1518	1040	---	1081	589	546	2295	2412	16097	3574	733	761
Butler	22238	158	1553	49	1760	6374	2542	1734	24	7317	1127	---	1360	4489	2215	4181
Caldwell	6440	---	---	24	24	1552	---	1554	1144	725	347	1030	64	1928	755	940
Callaway	6872	72	126	71	269	1904	---	2007	1818	334	---	448	92	1526	973	1230
Camden	324	287	---	---	287	---	---	---	---	---	---	---	35	22	4	11
Cape Girardeau	39396	1065	1188	1806	4059	2744	327	2063	2547	1732	2494	610	22820	4674	1441	2054
Carroll	9613	21	130	351	502	964	---	1019	123	1387	1534	3955	129	4660	596	610
Carter	16	---	11	---	11	---	---	---	---	---	5	---	---	3	2	2
Cass	22776	1052	1509	38	2599	4760	240	3506	4694	1508	3617	1667	185	5788	2074	3204
Cedar	5851	51	---	3	54	1644	---	1675	1997	372	---	103	6	1239	775	980
Chariton	15763	15	796	1191	2002	2381	51	3668	379	2237	1481	2955	609	4816	2181	1857
Christian	5985	525	---	---	525	1433	160	1184	2089	154	---	---	440	1057	695	866
Clark	14302	41	726	439	1206	3121	**	1027	125	442	6615	1689	81	3921	603	1954
Clay	1305	1241	---	9	1250	1	7	1	23	---	---	---	23	238	59	70
Clinton	6389	46	---	47	93	1500	---	1045	2745	---	123	780	103	1827	497	920
Cole	9359	675	33	1	709	2107	134	2043	1604	1790	123	591	258	2361	1053	1355
Cooper	19121	34	---	---	34	3500	39	3662	2549	3305	3682	2286	64	6102	1707	2163
Crawford	2594	46	1	---	47	732	---	786	859	167	---	---	3	509	364	449
Dade	20808	118	---	18	136	5482	---	5451	8507	1018	149	62	3	4464	2520	3203
Dallas	6643	193	---	---	193	1691	51	1938	2761	---	---	---	9	1302	925	1054
Daviess	3502	68	163	6	237	644	61	458	796	159	236	905	6	1226	275	405
DeKalb	8029	1	21	43	65	1527	79	604	788	27	575	1045	3319	1458	332	937
Dent	3612	91	---	---	91	1254	102	1243	914	---	---	---	8	540	628	762
Douglas	793	35	---	---	35	202	---	271	285	---	---	---	---	146	125	122
Dunklin	52079	236	2142	799	3177	8982	1057	2829	6006	7045	19535	129	3319	12873	2315	6067
Franklin	17267	636	485	35	1156	3836	209	3547	2336	4017	325	1679	162	4871	1846	2422
Gasconade	8837	151	---	18	169	2477	133	2057	1106	2811	---	---	84	2071	1030	1528
Gentry	8681	28	129	**	122	1490	23	1134	2252	---	2480	1169	11	2668	561	926
Greene	17837	4586	272	181	5039	3697	430	2672	4991	101	128	---	779	2937	1717	2471
Grundy	8133	13	84	28	125	2385	---	1399	1488	95	664	1810	167	2508	698	1461
Harrison	8669	91	---	87	178	1767	25	1515	2020	284	228	2639	13	3264	804	1089
Henry	13026	111	453	---	564	3811	52	3836	2704	1485	163	292	119	2592	1843	2309
Hickory	1898	2	197	---	199	639	---	596	462	---	---	---	2	266	276	385
Holt	12070	1	107	903	1011	1752	---	1223	2655	---	2025	3140	264	4299	795	1189
Howard	123	---	---	3	3	5	---	6	57	---	---	52	---	62	3	3
Howell	19145	918	---	2	920	5411	125	4993	7524	---	---	---	172	3535	2421	3306
Iron	14	14	---	---	14	---	---	---	---	---	---	---	---	---	---	---
Jackson	10055	7411	18	799	8228	52	42	22	40	209	134	83	1245	1671	417	395
Jasper	16027	731	1479	34	2244	2701	3	2626	3402	2499	2077	286	189	3869	1528	1960
Jefferson	1840	942	2	---	944	243	49	291	291	3	3	---	16	243	174	177
Johnson	7696	160	---	418	578	1480	---	1677	984	1431	918	527	101	2027	863	953
Knox	4247	---	642	27	669	1332	---	875	568	---	74	725	4	1019	544	984
Laclede	6588	171	---	5	176	2256	52	2222	1878	---	---	---	4	1048	1055	1324
Lafayette	21886	62	26	207	295	3554	---	4456	1695	2944	4005	3025	1912	6509	2309	2185
Lawrence	10312	65	---	---	65	2467	---	1604	6120	51	---	---	5	2394	739	1438
Lewis	16327	---	229	192	421	4313	967	3084	1808	622	1018	4074	20	5123	1984	2720
Lincoln	12516	362	25	86	473	3295	534	2871	781	2919	970	636	37	3011	1618	2033

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2002

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	Soluble K ₂ O
Adair	2995	16	---	320	336	1024	---	951	287	240	---	147	10	533	561	637
Andrew	4122	23	---	---	23	815	---	974	2002	102	---	204	2	1076	448	499
Atchison	16392	13	---	463	476	3018	---	3480	1433	64	3406	3802	713	5196	1942	1845
Audrain	20134	19	69	114	202	7694	20	6806	8	1890	332	2701	481	4213	3482	4783
Barry	3280	---	---	---	---	467	---	251	2454	---	2	106	---	967	115	277
Barton	12259	1	---	251	252	4131	---	2739	1989	1865	356	907	20	2897	1329	2427
Bates	13405	24	---	---	24	4488	---	4831	1915	724	209	1214	---	2863	2277	2696
Benton	3742	22	---	19	41	1268	76	1340	283	470	---	186	78	726	660	789
Bollinger	718	---	---	3	3	151	---	124	440	---	---	---	---	172	57	90
Boone	5482	262	41	6	309	1818	5	1914	290	437	312	351	46	1026	971	1161
Buchanan	19949	226	69	76	371	831	---	975	425	297	149	1382	15519	1818	550	545
Butler	5679	6	146	---	152	699	183	355	---	4100	---	8	182	2000	260	440
Caldwell	6051	4	---	---	4	1374	---	1204	2039	27	73	1326	4	1999	582	831
Callaway	2500	27	27	---	54	745	---	888	668	---	---	141	4	510	414	468
Camden	37	37	---	---	37	---	---	---	---	---	---	---	---	4	2	6
Cape Girardeau	11579	262	96	115	473	2163	511	855	1095	374	176	39	5893	965	686	1380
Carroll	7208	3	24	26	53	1816	24	2085	---	342	---	2373	515	2512	979	1113
Carter	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---
Cass	10322	384	44	4	432	2880	128	2559	1091	1258	1253	339	382	2094	1364	1816
Cedar	2855	---	---	---	---	745	16	689	1075	330	---	---	---	641	324	432
Chariton	17716	2	850	570	1422	5409	4	2737	78	452	3189	3838	587	4949	1652	3684
Christian	1174	68	---	---	68	311	25	180	327	1	---	---	262	150	103	194
Clark	21742	---	7268	**	7267	4411	---	2153	172	197	5295	2241	6	4007	1129	2726
Clay	431	408	---	---	408	---	2	---	---	1	---	---	20	77	25	40
Clinton	8304	46	---	---	46	2023	---	1913	2986	---	---	1310	26	2415	911	1247
Cole	2415	191	4	1	196	551	82	448	393	497	141	60	47	560	271	367
Cooper	10867	---	---	---	---	3960	284	3406	1325	652	313	854	73	2156	1698	2450
Crawford	174	6	---	---	6	73	---	47	48	---	---	---	---	25	22	45
Dade	6278	266	104	139	509	1559	---	1794	2016	260	103	---	37	1221	921	936
Dallas	1503	2	---	---	2	402	8	409	682	---	---	---	---	305	191	241
Daviess	3237	4	---	1	5	1040	51	827	1079	---	---	223	12	653	462	626
DeKalb	8851	---	50	---	50	997	78	837	1839	51	---	957	4042	1627	430	620
Dent	1166	22	---	---	22	521	26	246	351	---	---	---	---	165	128	315
Douglas	283	---	---	---	---	23	---	50	200	10	---	---	---	81	22	13
Dunklin	9675	4	488	463	955	3395	692	959	1389	1840	**	**	820	1563	836	2249
Franklin	7792	256	582	---	838	2128	681	1668	677	1242	---	544	14	1617	1165	1415
Gasconade	1565	43	---	---	43	414	39	503	162	403	---	---	1	336	255	258
Gentry	7090	59	---	---	59	1937	76	1864	1611	---	757	785	1	1735	938	1199
Greene	7875	3097	70	31	3198	1175	30	761	2008	98	---	---	605	1219	495	858
Grundy	5637	22	---	---	22	1831	---	1006	1223	676	102	776	1	1519	531	1123
Harrison	4942	1	---	1	2	1396	---	1138	681	---	27	1661	37	1742	596	845
Henry	6294	23	558	---	581	2284	---	1805	1182	278	---	164	---	993	929	1418
Hickory	2096	---	226	---	226	408	---	439	1023	---	---	---	---	429	204	246
Holt	10283	---	41	---	41	1185	---	1886	1182	---	3648	2119	222	3451	962	735
Howard	22	---	---	---	---	---	---	---	---	---	---	---	22	---	---	---
Howell	4351	35	---	---	35	998	25	937	2350	---	---	---	6	969	446	602
Iron	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Jackson	4992	2604	93	152	2849	42	22	---	24	1431	242	3	379	1306	157	285
Jasper	8298	468	893	---	1361	2634	---	1886	917	909	514	62	15	1360	1177	1937
Jefferson	318	186	---	---	186	26	32	25	25	1	3	---	20	57	33	33
Johnson	2093	35	---	213	248	667	---	485	130	177	123	---	263	266	263	425
Knox	6460	---	95	---	95	2036	---	1391	389	---	100	2448	1	2423	664	1249
Laclede	5231	5	206	---	211	984	200	906	2927	---	---	---	3	1189	552	596
Lafayette	21968	24	3	348	375	4238	---	4404	460	1919	5372	3926	1274	6728	2393	2577
Lawrence	5379	1	---	---	1	1601	70	1213	2483	---	---	11	---	1071	590	942
Lewis	10332	---	14	111	125	4580	671	1712	904	416	39	1880	5	2357	1146	2804
Lincoln	9129	89	7	---	96	3547	464	1777	363	1625	176	1033	48	2115	1043	2176

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2002

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	9684	83	23	42	148	2754	542	2748	1002	1001	99	1342	48	2363	1628	1695
Livingston	7301	85	133	106	324	2160	177	1519	1352	749	740	279	1	1547	825	1322
McDonald	79	---	79	---	79	---	---	---	---	---	---	---	---	---	---	---
Macon	9534	75	346	155	576	2343	---	2064	891	1503	1458	539	160	2289	1148	1532
Madison	1892	95	---	---	95	637	---	700	100	351	---	---	9	325	325	385
Maries	2556	---	44	---	44	620	53	723	1066	50	---	---	---	523	362	383
Marion	16450	64	175	1121	1360	4542	150	3021	1149	691	3084	2329	124	4227	1893	2802
Mercer	37317	244	308	21486	22038	886	---	770	1080	---	6	223	12314	789	915	697
Miller	5961	156	---	---	156	1393	---	1609	753	2044	---	---	6	1500	746	870
Mississippi	47459	6	297	968	1271	6361	350	2998	1389	4245	27341	951	2553	12832	1897	3628
Moniteau	4133	49	---	107	156	948	---	1066	253	776	393	499	42	1186	515	606
Monroe	14246	156	238	13	407	3834	638	2928	3447	---	129	2823	40	4061	1750	2405
Montgomery	16347	80	61	169	310	3385	51	3751	487	3351	2558	2087	367	4916	1915	2105
Morgan	10593	96	24	580	700	2292	49	2641	2178	2348	224	---	161	2491	1299	1450
New Madrid	47144	1489	569	578	2636	6658	89	3836	3358	10635	17316	720	1896	13538	2049	4478
Newton	8875	60	---	25	85	1843	38	1179	3501	314	---	---	1915	1570	561	1086
Nodaway	17636	25	494	298	817	3113	153	3118	3717	673	3177	2744	124	5302	1815	2015
Oregon	9495	28	---	---	28	2415	50	2651	4327	---	---	---	24	1954	1243	1453
Osage	11817	166	5	174	345	2874	80	2569	3311	1679	407	519	33	2942	1258	1821
Ozark	6208	9	---	---	9	1719	---	1649	2749	82	---	---	---	1269	758	1031
Pemiscot	24043	30	341	177	548	3807	808	705	829	5498	10818	33	997	6616	796	2370
Perry	11658	157	---	48	205	2446	280	2104	1592	1867	1713	1406	45	3513	1119	1445
Pettis	22150	305	74	100	479	5081	---	5262	3773	3204	485	2835	1031	6302	2564	3171
Phelps	5849	3796	---	---	3796	497	24	750	679	---	---	11	92	860	523	410
Pike	21353	177	1897	738	2812	3275	148	3342	2721	1761	3029	3703	562	6704	2223	2516
Platte	2252	436	45	15	496	289	---	288	123	120	---	865	71	953	155	209
Polk	11821	215	---	---	215	4042	49	4315	2144	782	---	---	274	1930	2020	2427
Pulaski	8296	149	2	---	151	2207	---	2570	3237	114	---	---	17	1613	1183	1325
Putnam	5932	33	51	150	234	1565	74	1282	1215	512	1000	---	50	1220	661	1006
Ralls	10323	---	82	3442	3524	1643	167	1292	251	735	1709	950	52	2157	1361	1674
Randolph	9545	1121	73	1974	3168	1308	4	1052	2000	160	1697	---	156	1741	888	1273
Ray	15917	54	---	484	538	2505	---	1897	1932	1185	2612	4913	335	6389	1073	1522
Reynolds	7	7	---	---	7	---	---	---	---	---	---	---	---	---	---	---
Ripley	6054	35	333	441	809	1093	223	1542	672	1274	---	---	441	1208	958	798
St. Charles	14532	2771	158	567	3496	546	61	557	594	712	7369	962	235	4147	655	541
St. Clair	5734	79	---	---	79	1767	---	1929	904	1014	---	---	41	1126	887	1063
St. Francois	2875	159	50	---	209	730	73	894	---	965	---	---	4	618	457	449
Ste. Genevieve	5823	72	---	184	256	914	53	957	523	1329	1157	625	9	1870	531	551
St. Louis	21603	14275	308	1074	15657	549	97	13	51	4246	52	6	932	4287	868	1180
Saline	20924	64	40	194	298	2997	76	3105	558	2141	2150	9258	341	9921	1633	1883
Schuyler	2611	9	619	---	628	581	---	546	22	643	39	150	2	574	258	362
Scotland	7197	8	1027	1244	2279	818	317	791	633	289	997	917	156	1775	748	902
Scott	28865	818	364	924	2106	3170	384	1720	980	2205	16787	638	875	7872	1286	2082
Shannon	1528	---	---	---	---	123	---	548	857	---	---	---	---	390	252	73
Shelby	17124	17	2587	1629	4233	3755	26	3238	2226	1013	1246	993	394	3538	2184	3221
Stoddard	53151	148	508	508	1164	10237	1124	6633	832	19845	8732	1248	3336	15146	3786	6327
Stone	2158	8	---	---	8	1120	---	463	567	---	---	---	---	274	213	694
Sullivan	4375	4	---	---	4	1463	26	1290	685	234	621	24	28	789	608	869
Taney	356	351	---	---	351	---	---	---	---	---	---	---	5	22	8	7
Texas	24900	57	12	268	337	7186	224	7113	8885	73	2	573	507	4866	3443	4348
Vernon	22540	79	---	594	673	5658	---	5694	4572	3089	679	2103	72	5974	2692	3436
Warren	5666	514	---	9	523	1228	124	1580	210	1722	---	144	135	1341	823	785
Washington	3023	69	49	---	118	935	---	1164	---	805	---	---	1	585	541	567
Wayne	2360	18	---	---	18	742	49	867	613	---	---	20	51	392	422	445
Webster	10545	285	297	14	596	2970	150	2250	4557	11	---	---	11	1999	1133	1796
Worth	1635	---	---	---	---	233	25	204	53	231	440	447	2	650	105	143
Wright	13314	141	---	8	149	3658	3	3816	5686	---	---	---	2	2634	1764	2224

** Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2002

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	Soluble K ₂ O
Linn	6906	4	---	---	4	2104	275	1412	1117	1267	---	702	25	1715	882	1286
Livingston	4251	11	286	---	297	1906	80	1444	399	83	---	42	---	486	724	1188
McDonald	28	---	28	---	28	---	---	---	---	---	---	---	---	---	---	---
Macon	6219	7	241	---	248	2561	---	2020	150	621	---	589	30	1129	1075	1631
Madison	623	---	---	---	---	201	---	250	---	172	---	---	---	124	115	120
Maries	51	---	1	---	1	25	---	25	---	---	---	---	---	4	11	15
Marion	9630	10	2	31	43	4017	---	2653	511	130	819	1439	18	2108	1266	2429
Mercer	1774	1	133	602	736	236	26	131	645	---	---	---	---	250	115	190
Miller	708	15	---	---	15	147	---	199	149	198	---	---	---	178	91	91
Mississippi	10841	---	66	94	160	4594	1602	1941	73	1102	868	---	501	1249	1672	2740
Moniteau	3017	---	---	75	75	750	41	789	231	993	---	125	13	785	390	475
Monroe	8637	---	520	6	526	2637	246	2147	800	---	53	2200	28	2487	1231	1755
Montgomery	8343	19	51	---	70	3130	---	2634	109	812	693	651	244	1597	1313	1936
Morgan	2789	22	---	30	52	828	101	721	431	580	50	---	26	561	377	517
New Madrid	12652	47	547	213	807	3213	67	2005	1023	3885	1034	---	618	2993	1058	2133
Newton	4186	19	---	25	44	461	---	229	1589	202	---	---	1661	687	114	281
Nodaway	18638	9	49	41	99	3235	52	3251	3119	505	4248	4000	129	6193	1710	1972
Oregon	1441	---	---	---	---	376	25	367	673	---	---	---	---	294	180	225
Osage	3362	49	---	25	74	1275	105	960	458	322	---	167	1	619	499	799
Ozark	1795	2	---	---	2	376	---	422	995	---	---	---	---	414	194	225
Pemiscot	3910	---	83	1	84	728	374	32	343	1981	268	---	100	1142	203	462
Perry	5354	29	---	28	57	1700	251	1517	524	752	253	298	2	1122	822	1032
Pettis	9651	41	---	---	41	2591	---	2670	2948	369	190	472	370	2045	1304	1613
Phelps	2177	678	---	---	678	498	27	299	651	---	---	---	24	320	174	335
Pike	14259	210	1753	130	2093	3869	207	2939	2656	527	692	1261	15	3084	1871	2964
Platte	5993	122	26	108	256	516	---	1017	2840	164	---	1174	26	2216	506	343
Polk	4390	---	13	---	13	1021	---	1009	1968	91	129	81	78	1020	464	614
Pulaski	1030	16	---	---	16	54	---	196	764	---	---	---	---	295	92	34
Putnam	2267	---	---	---	---	863	28	936	284	52	103	---	1	318	446	531
Ralls	6407	---	24	1574	1598	1599	165	1299	101	319	790	536	---	1186	979	1283
Randolph	3793	172	---	1181	1353	868	---	687	559	---	304	---	22	462	501	817
Ray	12502	16	---	146	162	3089	---	3647	1769	496	922	2140	277	3396	1913	1867
Reynolds	690	---	---	---	---	---	---	---	---	---	---	---	690	2	---	---
Ripley	544	---	9	90	99	74	3	77	122	99	---	---	70	104	54	62
St. Charles	8254	1081	196	1	1278	1472	380	880	82	640	2575	834	113	2106	719	1068
St. Clair	2891	---	---	---	---	657	---	982	889	312	---	---	51	627	451	396
St. Francois	1315	37	23	---	60	327	74	491	---	363	---	---	---	259	265	201
Ste. Genevieve	4271	79	11	---	90	1261	227	1075	364	750	207	297	---	980	613	757
St. Louis	8792	4407	80	360	4847	2067	69	2	---	1433	6	---	368	1538	366	1689
Saline	18223	3	1	---	4	4426	645	4776	161	562	51	7165	433	6951	2618	2738
Schuyler	105	---	---	---	---	36	---	31	---	---	---	38	---	36	14	22
Scotland	5057	---	46	457	503	2036	874	764	174	292	---	360	54	646	820	1390
Scott	9577	73	277	323	673	3938	604	1444	569	445	1070	59	775	1139	1005	2446
Shannon	1446	---	---	---	---	500	99	399	448	---	---	---	---	224	229	299
Shelby	13659	---	1803	148	1951	4844	---	3547	1089	181	55	1817	175	2709	2078	3532
Stoddard	19197	9	44	41	94	6298	1581	2999	161	6069	613	78	1304	3858	2116	3787
Stone	1287	---	---	---	---	199	---	125	958	---	5	---	---	345	57	123
Sullivan	1853	---	---	---	---	676	78	418	236	445	---	---	---	360	228	410
Taney	46	46	---	---	46	---	---	---	---	---	---	---	---	2	---	2
Texas	8089	---	24	24	24	1796	100	1935	3375	---	---	671	188	2015	1017	1049
Vernon	12705	11	---	---	11	3336	180	4403	2523	1169	105	940	38	2990	2109	2002
Warren	2162	3	12	9	24	594	45	551	174	625	---	143	6	565	278	370
Washington	185	9	---	---	9	49	---	74	---	49	---	---	4	36	35	30
Wayne	742	---	---	---	---	224	---	249	249	---	---	20	---	146	114	134
Webster	4550	89	174	7	270	1591	49	923	1717	---	---	---	---	763	457	960
Worth	2357	---	---	---	---	514	26	799	467	76	77	398	---	676	391	310
Wright	3855	1	---	---	1	1124	---	859	1871	---	---	---	---	790	394	678

** Credits exceeded shipments.

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

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