

UNIVERSITY OF MISSOURI-COLUMBIA Agricultural Experiment Station

MISSOURI FERTILIZER TONNAGE REPORT, 2002-03

FERTILIZER MATERIALS			DRY MIXED FERTILIZERS						LIQUID MIXED FERTILIZERS		
NITROGEN MATERIALS	FALL	SPRING	BAGGED FERTILIZER			BULK MANUFACTURED			GRADES	FALL	SPRING
				GRADES	FALL	SPRING	GRADES	FALL			
Ammonium Sulfate	5,455*	17,253*	5-5-20	4	124	0-14-42	---	142	2-6-12	---	50
Amm. Thiosulfate	1,912*	8,819*	6-24-24	280	519	0-18-36	40	102	2-6-32	96	1,029
N. Solutions (26-32%)	42,225*	191,165*	10-6-4	12	426	4-3-2	606	957	3-9-27	1,439	2,727
Ammonium Nitrate	94,607*	204,950*	10-18-22	53	7	5-20-20	---	110	3-10-30	1,102	3,172
Urea	54,763*	149,456*	12-12-12	413	1,847	6-18-36	136	118	3-18-18	350	1,544
Anhydrous Ammonia	68,811	77,279	13-13-13	1,306	3,780	6-24-24	18	70	4-10-10	25	101
Other	29,116	28,132	15-30-15	36	307	7-18-36	57	92	4-12-24	455	1,459
TOTAL	<u>296,889</u>	<u>677,054</u>	17-2-5	---	193	8-12-04	159	1,169	5-15-15	137	132
PHOSPHATIC MATERIALS			20-10-10	163	501	9-23-30	919	683	6-24-6	25	703
Conc. Superphosphate	12,994*	11,070*	22-3-14	458	-25	12-4-8	---	288	8-24-0	---	427
Phosphoric Acid	-14*	102*	24-4-12	200	98	17-17-17	---	393	9-18-9	5	446
Rock Phosphate	101	430	28-3-3	-150	3,401	19-19-19	33	304	10-20-10	181	416
Other	150	350	29-3-4	100	1,086	25-10-10	---	337	10-30-0	563	2,907
TOTAL	<u>13,231</u>	<u>11,952</u>	Misc.	13,612	43,442	Misc.	15,700	24,363	10-34-0	1,249	4,602
POTASH MATERIALS			TOTAL	<u>16,487</u>	<u>55,706</u>	TOTAL	<u>17,668</u>	<u>29,128</u>	10-6-36-0	519	1,468
Muriate of Potash	181,254*	252,555*	AMMONIUM PHOSPHATES						11-33-0	48	989
Other	1,168	3,436	BAGGED FERTILIZER			BULK FERTILIZER			11-37-0	527	1,259
TOTAL	<u>182,422</u>	<u>255,991</u>		FALL	SPRING		FALL	SPRING	17-2-5	74	1,278
MISC. MATERIALS			11-52-0	-2	154	11-52-0	41,354*	37,593*	18-1-2	242	---
Organics	4,723	27,575	18-46-0	129	42	18-46-0	101,456*	179,246*	20-3-6-3.6	---	313
Other	605	1,152	TOTAL	<u>127</u>	<u>196</u>	TOTAL	<u>142,810</u>	<u>216,839</u>	Misc.	2,156	6,460
TOTAL	<u>5,328</u>	<u>28,727</u>							TOTAL	<u>9,193</u>	<u>31,482</u>
<u>TOTAL MATERIALS</u>	<u>497,870</u>	<u>973,724</u>	<u>TOTAL MIXED FERTILIZER</u>			<u>FALL</u>			<u>SPRING</u>		
			<u>TOTAL ALL FERTILIZERS</u>			186,285			333,351		
			<u>GRAND TOTAL</u>			684,155			1,307,075		
			<u>1,991,230</u>								
									PRINCIPAL BLENDING MATERIALS		
									(Approximate Tons Used in Blends)		
									FALL	SPRING	
									Ammonium Nitrate	75,686	163,960
									Urea	43,810	119,565
									Amm Phosphates	114,248	203,546
									Conc. Phosphates	10,395	8,856
									Muriate of Potash	145,003	202,044

* Includes tonnage reported as materials but blended prior to application

RECENT FERTILIZER SALES TRENDS IN MISSOURI

	% OF TOTAL SALES							
	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03
BAGGED FERTILIZERS								
Mixtures	3.1	3.7	3.1	3.5	3.5	3.3	3.5	3.7
Materials	0.7	1.2	0.9	0.9	0.6	0.9	0.7	1.5
TOTALS	<u>3.8</u>	<u>4.9</u>	<u>4.0</u>	<u>4.4</u>	<u>4.1</u>	<u>4.2</u>	<u>4.2</u>	<u>5.2</u>
BULK DRY FERTILIZERS								
Blends	47.9	50.2	56.4	53.4	54.4	55.4	54.8	56.0
Mfg'd. Mixtures	9.2	8.2	1.9	2.5	2.1	2.4	1.7	2.4
Dir. Appl. Material	12.0	12.5	14.0	13.3	13.6	13.8	13.7	14.0
TOTALS	<u>69.1</u>	<u>70.9</u>	<u>72.3</u>	<u>69.2</u>	<u>70.1</u>	<u>71.6</u>	<u>70.2</u>	<u>72.4</u>
LIQUID FERTILIZERS								
Mixtures	2.7	3.1	3.0	2.3	2.0	2.5	3.7	2.2
Nitrogen Solutions	16.8	14.4	14.8	16.2	15.9	15.4	13.8	12.8
Anhydrous Ammonia	7.6	6.7	5.9	7.9	7.9	6.3	8.1	7.3
TOTALS	<u>27.1</u>	<u>24.2</u>	<u>23.7</u>	<u>26.4</u>	<u>25.8</u>	<u>24.2</u>	<u>25.6</u>	<u>22.3</u>
TOTAL TONS	1,702,234	1,846,233	1,819,839	1,737,264	1,862,049	1,896,184	2,042,796	1,991,230

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, 2003

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 - ible K ₂ O	
Adair	6287	179	32	537	748	1119	---	673	1253	2320	25	104	45	1789	530	708	
Andrew	6292	131	---	82	213	1239	---	---	1836	1447	780	15	743	19	1823	881	757
Atchison	25211	44	129	2132	2305	2613	---	3731	2562	787	8234	3823	1156	7710	2473	1740	
Audrain	15379	98	180	668	946	3768	90	3623	140	1933	955	2968	956	4352	1908	2386	
Barry	5294	99	1	---	100	1337	34	1046	2772	---	---	---	5	1131	497	810	
Barton	18199	32	21	119	172	5226	---	4175	1742	2461	2931	1482	10	4599	1970	3062	
Bates	24181	50	---	247	297	5538	---	5742	4679	4314	1188	2353	70	6927	2727	3337	
Benton	5113	134	---	---	134	1582	---	921	210	1710	---	260	296	1300	428	985	
Bollinger	3709	3	---	15	18	1286	66	1331	809	199	---	---	---	607	645	773	
Boone	6779	893	23	287	1203	1453	4	1277	829	182	239	1553	39	2036	703	950	
Buchanan	25481	963	66	353	1382	880	51	1016	1003	914	1004	1416	17815	2755	658	622	
Butler	26195	162	355	---	517	7908	2509	2515	24	9091	2289	---	1342	5659	2343	4794	
Caldwell	6422	5	---	64	69	1584	---	1580	1461	925	227	574	2	1733	765	960	
Callaway	5870	178	151	53	382	1527	---	1620	1745	341	---	239	16	1280	785	989	
Camden	368	310	14	---	324	1	---	---	---	---	---	---	43	24	10	23	
Cape Girardeau	21059	979	828	246	2053	2914	193	2043	2393	1566	3543	705	5649	4011	1243	1980	
Carroll	10062	35	204	371	610	1022	97	1307	137	1794	1853	2616	626	3888	783	647	
Carter	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cass	19810	785	1019	231	2035	3487	15	3783	4930	1641	2066	1127	726	4938	2086	2337	
Cedar	4753	55	---	5	60	1349	---	1353	1847	130	---	---	14	934	626	802	
Chariton	23527	26	543	1211	1780	4940	7	6580	592	2955	3010	2876	787	5987	3624	3399	
Christian	5475	368	2	---	370	1333	76	1013	2017	---	---	---	666	897	535	802	
Clark	9277	37	25	1288	1350	2494	46	2397	95	802	289	1652	152	2295	1490	1535	
Clay	1027	921	18	9	948	21	7	---	11	1	25	---	14	152	41	49	
Clinton	6895	61	---	---	61	1670	---	2014	2834	1	26	286	3	1564	933	1022	
Cole	9229	739	3	5	747	1838	133	2038	2005	1358	285	637	188	2379	1049	1191	
Cooper	17602	40	---	6	46	3335	65	3292	2476	2987	3598	1751	52	5403	1546	2055	
Crawford	2321	52	---	---	52	666	---	719	859	2	---	---	23	423	333	406	
Dade	20135	259	---	2	261	5559	---	4645	8405	979	52	122	112	4318	2166	3263	
Dallas	4933	232	42	---	274	1305	8	1334	1907	---	22	62	21	968	634	841	
Daviess	3304	62	47	2	111	593	26	704	842	328	303	392	5	956	380	369	
DeKalb	6800	7	6	82	95	1039	51	983	910	---	231	426	3065	944	502	634	
Dent	3272	141	---	---	141	1025	54	1082	969	---	---	---	1	532	534	626	
Douglas	923	47	---	---	47	325	---	249	302	---	---	---	---	150	117	197	
Dunklin	49816	222	2063	535	2820	10231	249	3255	3071	7702	19083	125	3280	12087	1936	6752	
Franklin	18809	927	2670	---	3597	3950	104	3459	2383	4002	---	1195	119	4538	1951	2732	
Gasconade	8120	136	16	---	152	2384	142	1925	1080	2358	---	---	79	1829	969	1470	
Gentry	10719	31	---	**	14	1610	---	1514	3153	---	3471	954	3	3153	761	1000	
Greene	21089	5286	426	252	5964	4212	260	2713	4747	106	2	---	3085	3294	1660	2785	
Grundy	7703	19	24	3	46	1918	---	1640	1987	217	614	1268	13	2268	803	1161	
Harrison	7981	24	---	124	148	1771	2	1627	1810	515	351	1698	59	2572	865	1085	
Henry	14200	92	427	25	544	2904	27	3576	4972	1826	153	60	138	3302	1701	1766	
Hickory	1386	---	200	---	200	422	---	422	340	---	---	---	2	193	195	255	
Holt	11843	2	61	872	935	1802	---	2031	1132	22	3556	1074	1291	2666	1187	1223	
Howard	1	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---	
Howell	18214	231	3	2	236	4900	124	5259	7120	496	---	---	79	3621	2492	2984	
Iron	6	6	---	---	6	---	---	---	---	---	---	---	---	---	---	---	
Jackson	10662	8256	163	1091	9510	55	33	3	---	533	25	81	422	1760	336	474	
Jasper	11719	834	1345	93	2272	2136	4	1742	2223	1904	1303	---	135	2583	1097	1617	
Jefferson	1641	881	25	---	906	183	72	180	210	12	---	4	74	207	137	147	
Johnson	10395	110	1	351	462	1813	3	2089	2549	1543	1058	828	50	2938	1058	1147	
Knox	5096	1	352	223	576	1496	---	1350	1208	---	50	410	6	1018	739	1042	
Laclede	7093	155	149	---	304	2540	84	1566	2596	---	---	---	3	1187	789	1516	
Lafayette	22479	115	94	459	668	4374	1	4314	1366	2706	5192	2510	1348	6149	2353	2695	
Lawrence	9165	55	---	---	55	2172	5	1436	5160	308	---	---	29	2144	662	1286	
Lewis	11445	8	9	13	30	2961	310	2252	2030	414	619	2821	8	3783	1193	1801	
Lincoln	13431	270	57	94	421	3707	386	2938	1127	3061	1065	714	12	3277	1584	2299	

** 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.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2003

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	7993	70	126	19	215	2895	256	1867	1440	741	76	439	64	1511	1075	1780
Livingston	6730	115	---	103	218	1248	178	824	1972	687	940	659	4	1975	502	766
McDonald	539	3	60	464	527	12	---	---	---	---	---	---	---	6	3	6
Macon	8251	92	640	7	739	1999	---	2065	807	2181	106	260	94	1903	1152	1445
Madison	2018	115	---	---	115	526	---	855	99	418	---	---	5	382	395	317
Maries	36	---	---	17	17	---	---	---	---	---	19	---	---	6	2	---
Marion	14695	75	---	826	901	3939	101	2583	1196	797	3277	1832	69	3803	1550	2398
Mercer	20730	222	492	---	714	782	79	570	907	---	1	87	17590	550	458	660
Miller	4284	188	22	---	210	1076	---	1095	637	1257	---	---	9	1008	510	677
Mississippi	49694	65	120	1549	1734	7678	660	4591	712	4606	24947	1154	3612	12596	2850	4474
Moniteau	4269	63	---	111	174	784	---	1381	306	720	410	474	20	1217	662	509
Monroe	12353	149	234	37	420	3299	426	2901	3186	408	72	1617	24	3146	1645	2066
Montgomery	15432	91	151	208	450	3074	99	3072	730	3172	2511	1966	358	4735	1630	1922
Morgan	10042	96	1	535	632	2002	108	2072	3000	1657	260	---	311	2387	1045	1265
New Madrid	62715	35	2389	1043	3467	9077	74	5936	6497	12764	20430	715	3755	17450	3093	6075
Newton	6474	101	240	25	366	1919	39	962	2995	175	---	---	18	1283	473	1149
Nodaway	15244	52	472	410	934	2070	---	2325	3070	749	4187	1795	114	4501	1372	1398
Oregon	9183	32	---	---	32	2357	49	2710	4035	---	---	---	---	1856	1271	1416
Osage	12432	127	---	151	278	2559	131	2222	4613	1567	651	269	142	3150	1113	1616
Ozark	6039	13	---	---	13	1715	---	1682	2603	---	---	---	26	1190	773	1003
Pemiscot	22427	3	352	203	558	3333	153	842	900	3886	11666	14	1075	6231	535	2083
Perry	14673	347	---	30	377	3110	206	2447	3250	1392	2449	1331	111	4115	1242	1860
Pettis	14380	266	48	116	430	3501	---	3154	3584	1529	124	1474	584	3840	1578	2193
Phelps	9416	6670	1	---	6671	743	46	921	865	---	---	---	170	1293	707	649
Pike	17510	58	1517	494	2069	2602	30	2280	2255	1030	4588	1345	1311	4559	1521	1895
Platte	6095	330	3	15	348	681	---	826	69	3685	---	471	15	2307	395	430
Polk	12815	152	74	---	226	3932	---	3944	3823	610	27	---	253	2366	1832	2357
Pulaski	8651	129	---	---	129	2078	---	2864	3306	253	---	---	21	1753	1318	1250
Putnam	7338	18	101	52	171	1866	73	1506	1516	911	1230	---	65	1618	752	1180
Ralls	10153	---	90	3363	3453	1751	206	1084	343	1027	1424	865	---	2119	1210	1797
Randolph	9094	1290	---	2011	3301	1272	---	950	1585	221	1629	---	136	1576	810	1276
Ray	16252	68	---	289	357	2898	4	3169	2362	1180	2404	3596	282	5560	1679	1771
Reynolds	371	---	---	1	1	---	---	---	---	---	---	---	370	1	---	---
Ripley	5620	---	351	184	535	1144	229	1430	722	1242	25	---	293	1189	861	783
St. Charles	18218	2799	4407	410	7616	951	69	601	496	375	7129	758	223	4060	667	837
St. Clair	6593	56	51	---	107	1932	---	1962	1683	887	---	---	22	1339	908	1141
St. Francois	2618	185	48	6	239	800	25	785	---	737	---	---	32	500	386	493
Ste. Genevieve	5381	75	---	108	183	692	108	865	587	1241	1150	554	1	1766	488	420
St. Louis	20099	13400	1968	1552	16920	276	65	4	60	1809	18	110	837	3307	1042	1135
Saline	17765	78	45	847	970	2268	110	2228	270	2174	1803	7290	652	8066	1416	1433
Schuyler	2120	11	30	64	105	601	---	536	---	518	91	267	2	587	257	376
Scotland	6135	66	296	1484	1846	732	145	410	692	159	1376	688	87	1517	496	875
Scott	26776	601	951	611	2163	3313	562	1522	711	1284	15580	774	867	7028	1252	2224
Shannon	1370	---	---	---	---	351	---	150	869	---	---	---	---	322	69	210
Shelby	15373	11	1602	1485	3098	3264	189	2988	2455	1126	1556	513	184	3142	1932	2605
Stoddard	45659	66	627	347	1040	8531	1278	5802	646	15738	7964	1684	2976	13109	3373	5315
Stone	1680	9	2	---	11	712	---	488	469	---	---	---	---	246	225	442
Sullivan	4896	11	91	---	102	1396	53	1366	870	236	843	30	---	947	678	867
Taney	529	484	---	---	484	---	---	---	---	---	---	---	45	23	8	8
Texas	30090	52	---	8	60	8524	246	8341	12000	96	251	263	309	5881	3981	5120
Vernon	18177	70	---	125	195	4118	97	3880	3596	3672	719	1797	103	5318	1836	2481
Warren	5422	747	5	11	763	1294	181	1462	50	1478	39	123	32	1183	790	829
Washington	2914	56	48	---	104	886	---	1159	---	763	---	---	2	565	538	536
Wayne	2334	11	---	---	11	720	74	848	592	---	---	39	50	394	424	432
Webster	8960	291	504	4	799	2387	263	1221	4073	50	---	---	167	1687	705	1430
Worth	1617	---	---	---	---	331	---	26	780	129	230	118	3	491	11	205
Wright	14204	157	---	1	158	4477	1	3351	6189	---	---	---	28	2715	1557	2743

** Credits exceeded shipments.

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

Non - Profit
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