

**Fertilizers and Chemicals Applied: 2017, 2012, and 2007**

***Manure***

Geography	Land Area in Square Miles ①	2017 Acres Treated	2017 Square Miles Treated ②	% of Land Area Treated ③	2012 Acres Treated	2012 Square Miles Treated ②	% of Land Area Treated ③	2007 Acres Treated	2007 Square Miles Treated ②	% of Land Area Treated ③	% of Area Treated Increase or Decrease ④
Adair County	567	5,757	9	1.59%	3,746	6	1.03%	3,064	5	0.84%	0.74%
Andrew County	436	2,759	4	0.99%	3,094	5	1.11%	2,591	4	0.93%	0.06%
Atchison County	560	4,167	7	1.16%	6,642	10	1.85%	639	1	0.18%	0.98%
Audrain County	692	17,164	27	3.88%	10,664	17	2.41%	7,653	12	1.73%	2.15%
Barry County	773	27,181	42	5.49%	23,559	37	4.76%	39,181	61	7.92%	-2.43%
Barton County	597	20,170	32	5.28%	17,467	27	4.57%	13,462	21	3.52%	1.76%
Bates County	849	10,130	16	1.86%	11,571	18	2.13%	7,937	12	1.46%	0.40%
Benton County	729	7,226	11	1.55%	9,574	15	2.05%	6,632	10	1.42%	0.13%
Bollinger County	621	2,350	4	0.59%	1,655	3	0.42%	4,186	7	1.05%	-0.46%
Boone County	687	4,824	8	1.10%	3,279	5	0.75%	3,385	5	0.77%	0.33%
Buchanan County	409	1,380	2	0.53%	1,415	2	0.54%	1,809	3	0.69%	-0.16%
Butler County	698	730	1	0.16%	1,086	2	0.24%	849	1	0.19%	-0.03%
Caldwell County	431	1,499	2	0.54%	1,519	2	0.55%	1,773	3	0.64%	-0.10%
Callaway County	842	5,737	9	1.06%	7,552	12	1.40%	6,179	10	1.15%	-0.08%
Camden County	641	2,360	4	0.58%	1,301	2	0.32%	2,276	4	0.55%	0.02%
Cape Girardeau County	577	7,401	12	2.00%	5,894	9	1.60%	7,073	11	1.92%	0.09%
Carroll County	695	2,583	4	0.58%	3,053	5	0.69%	4,300	7	0.97%	-0.39%
Carter County	509	489	1	0.15%	(D)	---	---	1,728	3	0.53%	-0.38%
Cass County	702	4,391	7	0.98%	4,276	7	0.95%	7,381	12	1.64%	-0.67%

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Cedar County	471	5,628	9	1.87%	6,431	10	2.13%	2,830	4	0.94%	0.93%
Chariton County	758	6,802	11	1.40%	3,505	5	0.72%	3,899	6	0.80%	0.60%
Christian County	564	8,247	13	2.28%	5,349	8	1.48%	4,771	7	1.32%	0.96%
Clark County	507	2,332	4	0.72%	2,521	4	0.78%	2,901	5	0.89%	-0.18%
Clay County	403	1,658	3	0.64%	1,444	2	0.56%	1,319	2	0.51%	0.13%
Clinton County	423	5,072	8	1.87%	919	1	0.34%	1,410	2	0.52%	1.35%
Cole County	392	6,560	10	2.61%	5,968	9	2.38%	9,399	15	3.75%	-1.13%
Cooper County	566	8,336	13	2.30%	15,964	25	4.41%	6,248	10	1.72%	0.58%
Crawford County	744	1,380	2	0.29%	1,175	2	0.25%	2,630	4	0.55%	-0.26%
Dade County	491	15,238	24	4.85%	18,758	29	5.97%	15,728	25	5.01%	-0.16%
Dallas County	543	9,458	15	2.72%	12,263	19	3.53%	11,427	18	3.29%	-0.57%
Daviess County	568	5,495	9	1.51%	2,790	4	0.77%	5,593	9	1.54%	-0.03%
DeKalb County	425	2,014	3	0.74%	3,819	6	1.40%	3,640	6	1.34%	-0.60%
Dent County	755	1,806	3	0.37%	2,197	3	0.45%	1,329	2	0.28%	0.10%
Douglas County	814	4,300	7	0.83%	3,073	5	0.59%	4,991	8	0.96%	-0.13%
Dunklin County	547	---	---	---	(D)	---	---	569	1	0.16%	---
Franklin County	922	7,361	12	1.25%	9,473	15	1.61%	9,313	15	1.58%	-0.33%
Gasconade County	521	5,635	9	1.69%	3,187	5	0.96%	6,368	10	1.91%	-0.22%
Gentry County	493	2,422	4	0.77%	4,212	7	1.33%	4,144	6	1.31%	-0.55%

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Greene County	678	6,829	11	1.57%	9,880	15	2.28%	6,351	10	1.46%	0.11%
Grundy County	437	4,809	8	1.72%	2,832	4	1.01%	2,871	4	1.03%	0.69%
Harrison County	725	5,199	8	1.12%	2,584	4	0.56%	4,903	8	1.06%	0.06%
Henry County	729	14,275	22	3.06%	7,426	12	1.59%	6,027	9	1.29%	1.77%
Hickory County	411	6,835	11	2.60%	6,466	10	2.46%	2,290	4	0.87%	1.73%
Holt County	456	1,744	3	0.60%	473	1	0.16%	836	1	0.29%	0.31%
Howard County	464	1,531	2	0.52%	976	2	0.33%	622	1	0.21%	0.31%
Howell County	927	12,092	19	2.04%	8,537	13	1.44%	11,521	18	1.94%	0.10%
Iron County	552	384	1	0.11%	1,263	2	0.36%	563	1	0.16%	-0.05%
Jackson County	611	1,816	3	0.46%	781	1	0.20%	1,756	3	0.45%	0.02%
Jasper County	641	17,970	28	4.38%	15,212	24	3.71%	15,569	24	3.80%	0.59%
Jefferson County	668	1,373	2	0.32%	1,944	3	0.45%	2,672	4	0.63%	-0.30%
Johnson County	834	14,906	23	2.79%	9,087	14	1.70%	13,148	21	2.46%	0.33%
Knox County	507	11,443	18	3.53%	5,093	8	1.57%	4,546	7	1.40%	2.13%
Laclede County	770	6,449	10	1.31%	9,696	15	1.97%	6,075	9	1.23%	0.08%
Lafayette County	632	9,597	15	2.37%	7,416	12	1.83%	13,857	22	3.43%	-1.05%
Lawrence County	614	24,254	38	6.17%	22,609	35	5.75%	26,965	42	6.86%	-0.69%
Lewis County	508	4,225	7	1.30%	2,000	3	0.62%	3,925	6	1.21%	0.09%
Lincoln County	627	4,542	7	1.13%	3,632	6	0.91%	3,206	5	0.80%	0.33%

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Linn County	620	8,554	13	2.16%	5,967	9	1.50%	5,929	9	1.49%	0.66%
Livingston County	537	2,403	4	0.70%	1,287	2	0.37%	1,880	3	0.55%	0.15%
McDonald County	541	21,572	34	6.23%	14,921	23	4.31%	21,812	34	6.30%	-0.07%
Macon County	797	7,229	11	1.42%	4,673	7	0.92%	8,574	13	1.68%	-0.26%
Madison County	497	3,322	5	1.04%	1,627	3	0.51%	1,754	3	0.55%	0.49%
Maries County	528	6,694	10	1.98%	5,105	8	1.51%	4,573	7	1.35%	0.63%
Marion County	438	3,220	5	1.15%	3,200	5	1.14%	3,205	5	1.14%	0.01%
Mercer County	454	4,354	7	1.50%	2,923	5	1.01%	5,583	9	1.92%	-0.42%
Miller County	593	14,344	22	3.78%	10,267	16	2.71%	10,934	17	2.88%	0.90%
Mississippi County	410	1,367	2	0.52%	(D)	---	---	(D)	---	---	---
Moniteau County	417	14,400	23	5.40%	13,073	20	4.90%	15,611	24	5.85%	-0.45%
Monroe County	670	8,126	13	1.90%	4,367	7	1.02%	5,166	8	1.20%	0.69%
Montgomery County	540	2,295	4	0.66%	2,182	3	0.63%	3,935	6	1.14%	-0.47%
Morgan County	594	21,801	34	5.73%	20,563	32	5.41%	27,486	43	7.23%	-1.50%
New Madrid County	679	750	1	0.17%	990	2	0.23%	630	1	0.14%	0.03%
Newton County	627	30,480	48	7.60%	21,897	34	5.46%	24,302	38	6.06%	1.54%
Nodaway County	875	7,791	12	1.39%	2,856	4	0.51%	4,940	8	0.88%	0.51%
Oregon County	792	2,582	4	0.51%	2,188	3	0.43%	1,394	2	0.28%	0.23%
Osage County	606	16,119	25	4.16%	15,530	24	4.00%	18,586	29	4.79%	-0.64%

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Ozark County	731	2,284	4	0.49%	2,713	4	0.58%	3,122	5	0.67%	-0.18%
Pemiscot County	517	---	---	---	(D)	---	---	(D)	---	---	---
Perry County	473	2,773	4	0.92%	1,951	3	0.64%	4,451	7	1.47%	-0.55%
Pettis County	686	24,720	39	5.63%	22,740	36	5.18%	24,374	38	5.55%	0.08%
Phelps County	674	5,086	8	1.18%	944	1	0.22%	2,049	3	0.48%	0.70%
Pike County	673	4,580	7	1.06%	4,450	7	1.03%	5,795	9	1.35%	-0.28%
Platte County	421	1,250	2	0.46%	1,102	2	0.41%	1,736	3	0.64%	-0.18%
Polk County	642	15,715	25	3.82%	17,162	27	4.18%	11,631	18	2.83%	0.99%
Pulaski County	551	1,296	2	0.37%	843	1	0.24%	405	1	0.11%	0.25%
Putnam County	520	11,419	18	3.43%	3,758	6	1.13%	4,622	7	1.39%	2.04%
Ralls County	481	1,287	2	0.42%	2,902	5	0.94%	3,442	5	1.12%	-0.70%
Randolph County	473	3,261	5	1.08%	1,100	2	0.36%	2,442	4	0.81%	0.27%
Ray County	568	2,630	4	0.72%	1,925	3	0.53%	3,690	6	1.02%	-0.29%
Reynolds County	808	825	1	0.16%	746	1	0.14%	1,287	2	0.25%	-0.09%
Ripley County	632	3,254	5	0.80%	656	1	0.16%	1,985	3	0.49%	0.31%
Saint Charles County	558	2,678	4	0.75%	2,833	4	0.79%	3,211	5	0.90%	-0.15%
Saint Clair County	698	4,226	7	0.95%	3,979	6	0.89%	4,110	6	0.92%	0.03%
Sainte Genevieve County	504	1,864	3	0.58%	2,981	5	0.92%	4,666	7	1.45%	-0.87%
Saint Francois County	451	7,106	11	2.46%	1,451	2	0.50%	2,916	5	1.01%	1.45%

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Saint Louis County	505	8	0	0.00%	21	0	0.01%	342	1	0.11%	-0.10%
Saline County	755	9,866	15	2.04%	11,507	18	2.38%	6,081	10	1.26%	0.78%
Schuyler County	308	2,839	4	1.44%	1,528	2	0.78%	2,298	4	1.17%	0.27%
Scotland County	439	14,741	23	5.25%	9,616	15	3.42%	8,028	13	2.86%	2.39%
Scott County	423	4,311	7	1.59%	5,510	9	2.04%	6,886	11	2.54%	-0.95%
Shannon County	1,004	2,301	4	0.36%	1,605	3	0.25%	713	1	0.11%	0.25%
Shelby County	501	2,842	4	0.89%	4,164	7	1.30%	5,397	8	1.68%	-0.80%
Stoddard County	815	7,423	12	1.42%	3,691	6	0.71%	6,271	10	1.20%	0.22%
Stone County	451	4,894	8	1.70%	7,071	11	2.45%	6,159	10	2.13%	-0.44%
Sullivan County	651	6,176	10	1.48%	4,728	7	1.13%	11,165	17	2.68%	-1.20%
Taney County	608	1,516	2	0.39%	1,959	3	0.50%	1,225	2	0.31%	0.07%
Texas County	1,180	9,422	15	1.25%	7,137	11	0.95%	6,584	10	0.87%	0.38%
Vernon County	837	26,179	41	4.89%	16,093	25	3.00%	12,675	20	2.37%	2.52%
Warren County	429	2,839	4	1.03%	1,921	3	0.70%	3,477	5	1.27%	-0.23%
Washington County	762	841	1	0.17%	1,477	2	0.30%	1,572	2	0.32%	-0.15%
Wayne County	763	618	1	0.13%	1,403	2	0.29%	10,966	17	2.25%	-2.12%
Webster County	594	16,329	26	4.30%	11,869	19	3.12%	11,350	18	2.99%	1.31%
Worth County	266	1,626	3	0.96%	568	1	0.33%	1,790	3	1.05%	-0.10%
Wright County	682	10,261	16	2.35%	6,597	10	1.51%	7,712	12	1.77%	0.58%

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Saint Louis City ⑤	61	---	---	---	---	---	---	---	---	---	---
Statewide	69,709	777,004	1,214	1.74%	648,298	1,013	1.45%	711,625	1,112	1.60%	0.147%

**PRIMARY DATA SOURCES:** 2017, 2012, and 2007 Census of Agriculture, United States Department of Agriculture (USDA), National Agricultural Statistics Service (NASS): Missouri State and County Data. (Survey conducted every five years.)

① Land Area in Square Miles value is obtained from the Missouri Secretary of State's Missouri Roster

② Square Miles Treated value is obtained by calculating Acres Treated value \* 0.0015625

③ % of Land Area Treated value is obtained by calculating Square Miles Treated value/Land Area in Square Miles value

④ % of Area Treated Increase or Decrease value is obtained by calculating 2017 % of Land Area Treated Value - 2007 % of Land Area Treated Value

⑤ The USDA/NASS census definition of a farm is any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year. The definition is consistent with the definition used for current USDA surveys and was first used for the 1974 *Census of Agriculture*; and has been used in each subsequent agriculture census. St. Louis City does not contain any property(ies) that currently meet this definition per USDA.

(D) Withheld to avoid disclosing data for individual farms, per USDA/NASS.