

Fertilizers and Chemicals Applied: 2017, 2012, and 2007

Pastureland and rangeland fertilized

Geography	Land Area in Square Miles ❶	2017 Acres Treated	2017 Square Miles Treated ❷	% of Land Area Treated ❸	2012 Acres Treated	2012 Square Miles Treated ❷	% of Land Area Treated ❸	2007 Acres Treated	2007 Square Miles Treated ❷	% of Land Area Treated ❸	% of Area Treated Increase or Decrease ❹
Adair County	567	19,606	31	5.40%	13,604	21	3.75%	20,654	32	5.69%	-0.29%
Andrew County	436	6,030	9	2.16%	6,091	10	2.18%	12,400	19	4.44%	-2.28%
Atchison County	560	5,329	8	1.49%	6,794	11	1.90%	11,514	18	3.21%	-1.73%
Audrain County	692	13,131	21	2.96%	10,696	17	2.42%	20,941	33	4.73%	-1.76%
Barry County	773	46,198	72	9.34%	34,465	54	6.97%	41,380	65	8.36%	0.97%
Barton County	597	32,603	51	8.53%	27,573	43	7.22%	35,553	56	9.31%	-0.77%
Bates County	849	50,037	78	9.21%	36,562	57	6.73%	58,212	91	10.71%	-1.50%
Benton County	729	25,690	40	5.51%	21,394	33	4.59%	26,624	42	5.71%	-0.20%
Bollinger County	621	26,672	42	6.71%	25,960	41	6.53%	33,042	52	8.31%	-1.60%
Boone County	687	12,044	19	2.74%	11,040	17	2.51%	21,046	33	4.79%	-2.05%
Buchanan County	409	8,358	13	3.19%	6,956	11	2.66%	10,845	17	4.14%	-0.95%
Butler County	698	5,055	8	1.13%	4,830	8	1.08%	6,004	9	1.34%	-0.21%
Caldwell County	431	14,523	23	5.27%	13,807	22	5.01%	17,010	27	6.17%	-0.90%
Callaway County	842	18,947	30	3.52%	21,588	34	4.01%	24,882	39	4.62%	-1.10%
Camden County	641	16,116	25	3.93%	10,485	16	2.56%	15,458	24	3.77%	0.16%
Cape Girardeau County	577	24,360	38	6.60%	19,792	31	5.36%	32,556	51	8.82%	-2.22%
Carroll County	695	13,852	22	3.11%	11,732	18	2.64%	24,392	38	5.48%	-2.37%
Carter County	509	7,475	12	2.29%	8,033	13	2.47%	6,996	11	2.15%	0.15%

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Cass County	702	16,714	26	3.72%	20,085	31	4.47%	33,197	52	7.39%	-3.67%
Cedar County	471	32,310	50	10.72%	20,155	31	6.69%	29,014	45	9.63%	1.09%
Chariton County	758	24,174	38	4.98%	22,634	35	4.67%	26,652	42	5.49%	-0.51%
Christian County	564	23,793	37	6.59%	18,698	29	5.18%	25,087	39	6.95%	-0.36%
Clark County	507	8,672	14	2.67%	12,242	19	3.77%	13,784	22	4.25%	-1.58%
Clay County	403	5,752	9	2.23%	8,581	13	3.33%	11,886	19	4.61%	-2.38%
Clinton County	423	7,617	12	2.81%	9,631	15	3.56%	21,357	33	7.89%	-5.08%
Cole County	392	37,761	59	15.05%	25,814	40	10.29%	31,992	50	12.75%	2.30%
Cooper County	566	21,365	33	5.90%	22,905	36	6.32%	32,393	51	8.94%	-3.04%
Crawford County	744	25,098	39	5.27%	20,682	32	4.34%	31,162	49	6.54%	-1.27%
Dade County	491	49,312	77	15.69%	28,628	45	9.11%	43,256	68	13.77%	1.93%
Dallas County	543	29,170	46	8.39%	23,524	37	6.77%	33,776	53	9.72%	-1.33%
Daviess County	568	16,646	26	4.58%	8,845	14	2.43%	25,973	41	7.14%	-2.57%
DeKalb County	425	14,759	23	5.43%	14,138	22	5.20%	19,834	31	7.29%	-1.87%
Dent County	755	26,820	42	5.55%	23,752	37	4.92%	31,040	49	6.42%	-0.87%
Douglas County	814	35,779	56	6.87%	28,685	45	5.51%	40,441	63	7.76%	-0.89%
Dunklin County	547	250	0	0.07%	382	1	0.11%	1,098	2	0.31%	-0.24%
Franklin County	922	37,911	59	6.42%	31,176	49	5.28%	38,101	60	6.46%	-0.03%

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Gasconade County	521	30,275	47	9.08%	28,057	44	8.41%	33,899	53	10.17%	-1.09%
Gentry County	493	14,950	23	4.74%	13,904	22	4.41%	25,276	39	8.01%	-3.27%
Greene County	678	28,551	45	6.58%	28,102	44	6.48%	34,159	53	7.87%	-1.29%
Grundy County	437	7,548	12	2.70%	9,218	14	3.30%	14,043	22	5.02%	-2.32%
Harrison County	725	16,865	26	3.63%	14,611	23	3.15%	22,835	36	4.92%	-1.29%
Henry County	729	44,440	69	9.53%	34,157	53	7.32%	53,213	83	11.41%	-1.88%
Hickory County	411	21,524	34	8.18%	21,392	33	8.13%	24,447	38	9.29%	-1.11%
Holt County	456	3,294	5	1.13%	3,248	5	1.11%	5,587	9	1.91%	-0.79%
Howard County	464	10,698	17	3.60%	9,718	15	3.27%	14,949	23	5.03%	-1.43%
Howell County	927	71,516	112	12.05%	65,329	102	11.01%	89,663	140	15.11%	-3.06%
Iron County	552	6,358	10	1.80%	5,286	8	1.50%	8,438	13	2.39%	-0.59%
Jackson County	611	6,757	11	1.73%	3,389	5	0.87%	6,785	11	1.74%	-0.01%
Jasper County	641	38,821	61	9.46%	27,563	43	6.72%	42,779	67	10.43%	-0.96%
Jefferson County	668	8,214	13	1.92%	6,917	11	1.62%	8,977	14	2.10%	-0.18%
Johnson County	834	44,531	70	8.34%	39,746	62	7.45%	58,958	92	11.05%	-2.70%
Knox County	507	11,471	18	3.54%	12,435	19	3.83%	17,245	27	5.31%	-1.78%
Laclede County	770	56,098	88	11.38%	34,036	53	6.91%	44,812	70	9.09%	2.29%
Lafayette County	632	13,569	21	3.35%	15,995	25	3.95%	25,044	39	6.19%	-2.84%

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Lawrence County	614	54,118	85	13.77%	48,100	75	12.24%	70,687	110	17.99%	-4.22%
Lewis County	508	6,796	11	2.09%	9,029	14	2.78%	16,938	26	5.21%	-3.12%
Lincoln County	627	12,203	19	3.04%	12,377	19	3.08%	14,639	23	3.65%	-0.61%
Linn County	620	25,045	39	6.31%	17,477	27	4.40%	33,860	53	8.53%	-2.22%
Livingston County	537	7,626	12	2.22%	9,561	15	2.78%	14,731	23	4.29%	-2.07%
McDonald County	541	23,377	37	6.75%	17,237	27	4.98%	24,039	38	6.94%	-0.19%
Macon County	797	25,015	39	4.90%	23,184	36	4.55%	36,808	58	7.22%	-2.31%
Madison County	497	14,871	23	4.68%	18,954	30	5.96%	13,682	21	4.30%	0.37%
Maries County	528	55,875	87	16.53%	47,554	74	14.07%	58,327	91	17.26%	-0.73%
Marion County	438	4,296	7	1.53%	5,076	8	1.81%	11,759	18	4.19%	-2.66%
Mercer County	454	12,694	20	4.37%	9,978	16	3.43%	14,766	23	5.08%	-0.71%
Miller County	593	46,556	73	12.27%	35,774	56	9.43%	40,998	64	10.80%	1.46%
Mississippi County	410	510	1	0.19%	86	0	0.03%	1,141	2	0.43%	-0.24%
Moniteau County	417	43,827	68	16.42%	37,870	59	14.19%	52,280	82	19.59%	-3.17%
Monroe County	670	19,373	30	4.52%	13,207	21	3.08%	21,401	33	4.99%	-0.47%
Montgomery County	540	14,445	23	4.18%	14,345	22	4.15%	18,039	28	5.22%	-1.04%
Morgan County	594	34,192	53	8.99%	21,768	34	5.73%	38,394	60	10.10%	-1.11%
New Madrid County	679	(D)	---	---	(D)	---	---	371	1	0.09%	---

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Newton County	627	43,256	68	10.78%	36,606	57	9.12%	41,312	65	10.30%	0.48%
Nodaway County	875	33,166	52	5.92%	34,117	53	6.09%	59,299	93	10.59%	-4.67%
Oregon County	792	32,566	51	6.42%	39,818	62	7.86%	48,586	76	9.59%	-3.16%
Osage County	606	69,250	108	17.86%	58,231	91	15.01%	60,556	95	15.61%	2.24%
Ozark County	731	32,144	50	6.87%	36,007	56	7.70%	41,636	65	8.90%	-2.03%
Pemiscot County	517	-	---	---	-	---	---	820	1	0.25%	-0.25%
Perry County	473	20,756	32	6.86%	18,653	29	6.16%	25,488	40	8.42%	-1.56%
Pettis County	686	30,721	48	7.00%	24,631	38	5.61%	43,231	68	9.85%	-2.85%
Phelps County	674	24,211	38	5.61%	21,553	34	5.00%	27,939	44	6.48%	-0.86%
Pike County	673	17,000	27	3.95%	17,533	27	4.07%	26,540	41	6.16%	-2.21%
Platte County	421	3,314	5	1.23%	5,775	9	2.14%	10,031	16	3.72%	-2.49%
Polk County	642	41,436	65	10.08%	41,954	66	10.21%	56,950	89	13.86%	-3.78%
Pulaski County	551	16,389	26	4.65%	16,634	26	4.72%	16,269	25	4.61%	0.03%
Putnam County	520	17,458	27	5.25%	18,870	29	5.67%	24,406	38	7.33%	-2.09%
Ralls County	481	5,544	9	1.80%	8,478	13	2.75%	10,579	17	3.44%	-1.64%
Randolph County	473	11,351	18	3.75%	9,286	15	3.07%	15,453	24	5.10%	-1.36%
Ray County	568	11,412	18	3.14%	12,115	19	3.33%	23,739	37	6.53%	-3.39%
Reynolds County	808	6,412	10	1.24%	7,062	11	1.37%	9,878	15	1.91%	-0.67%

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Ripley County	632	13,639	21	3.37%	11,897	19	2.94%	20,241	32	5.00%	-1.63%
Saint Charles County	558	2,585	4	0.72%	3,030	5	0.85%	3,374	5	0.94%	-0.22%
Saint Clair County	698	36,841	58	8.25%	25,169	39	5.63%	38,928	61	8.71%	-0.47%
Sainte Genevieve County	504	18,281	29	5.67%	15,695	25	4.87%	25,065	39	7.77%	-2.10%
Saint Francois County	451	15,825	25	5.48%	9,561	15	3.31%	16,590	26	5.75%	-0.27%
Saint Louis County	505	(D)	---	---	(D)	---	---	427	1	0.13%	---
Saline County	755	12,648	20	2.62%	12,672	20	2.62%	18,872	29	3.91%	-1.29%
Schuyler County	308	9,613	15	4.88%	9,038	14	4.59%	13,111	20	6.65%	-1.77%
Scotland County	439	8,649	14	3.08%	10,025	16	3.57%	13,674	21	4.87%	-1.79%
Scott County	423	4,096	6	1.51%	3,909	6	1.44%	4,898	8	1.81%	-0.30%
Shannon County	1,004	21,835	34	3.40%	16,124	25	2.51%	24,682	39	3.84%	-0.44%
Shelby County	501	9,098	14	2.84%	12,070	19	3.76%	16,792	26	5.24%	-2.40%
Stoddard County	815	5,035	8	0.97%	5,645	9	1.08%	6,342	10	1.22%	-0.25%
Stone County	451	15,431	24	5.35%	8,744	14	3.03%	16,688	26	5.78%	-0.44%
Sullivan County	651	20,880	33	5.01%	16,224	25	3.89%	23,627	37	5.67%	-0.66%
Taney County	608	10,251	16	2.63%	7,018	11	1.80%	11,387	18	2.93%	-0.29%
Texas County	1,180	66,159	103	8.76%	53,762	84	7.12%	76,738	120	10.16%	-1.40%
Vernon County	837	46,887	73	8.75%	41,130	64	7.68%	64,464	101	12.03%	-3.28%

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Warren County	429	7,954	12	2.90%	7,316	11	2.66%	12,233	19	4.46%	-1.56%
Washington County	762	12,087	19	2.48%	13,449	21	2.76%	15,328	24	3.14%	-0.66%
Wayne County	763	7,539	12	1.54%	12,578	20	2.58%	12,190	19	2.50%	-0.95%
Webster County	594	39,393	62	10.36%	35,803	56	9.42%	44,188	69	11.62%	-1.26%
Worth County	266	4,848	8	2.85%	6,124	10	3.60%	13,757	21	8.08%	-5.23%
Wright County	682	41,434	65	9.49%	45,223	71	10.36%	57,061	89	13.07%	-3.58%
Saint Louis City ⑤	61	---	---	---	---	---	---	---	---	---	---
Statewide	69,709	2,444,295	3,819	5.48%	2,136,648	3,339	4.79%	3,016,890	4,714	6.76%	-1.283%

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.