

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

***Chemicals used to control - Weeds, grass, or brush***

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	69,085	108	19.04%	49,674	78	13.69%	38,751	61	10.68%	8.36%
Andrew County	436	128,014	200	45.88%	99,422	155	35.63%	101,176	158	36.26%	9.62%
Atchison County	560	250,377	391	69.86%	212,606	332	59.32%	215,979	337	60.26%	9.60%
Audrain County	692	270,696	423	61.12%	312,125	488	70.48%	250,425	391	56.54%	4.58%
Barry County	773	58,604	92	11.85%	42,813	67	8.65%	31,484	49	6.36%	5.48%
Barton County	597	165,212	258	43.24%	161,227	252	42.20%	137,682	215	36.03%	7.21%
Bates County	849	197,024	308	36.26%	196,516	307	36.17%	125,736	196	23.14%	13.12%
Benton County	729	34,195	53	7.33%	38,947	61	8.35%	24,450	38	5.24%	2.09%
Bollinger County	621	42,253	66	10.63%	37,851	59	9.52%	31,323	49	7.88%	2.75%
Boone County	687	90,596	142	20.60%	92,860	145	21.12%	68,699	107	15.62%	4.98%
Buchanan County	409	118,422	185	45.24%	107,567	168	41.09%	95,929	150	36.65%	8.59%
Butler County	698	191,064	299	42.77%	136,256	213	30.50%	128,819	201	28.84%	13.93%
Caldwell County	431	102,844	161	37.28%	71,306	111	25.85%	55,492	87	20.12%	17.17%
Callaway County	842	95,191	149	17.66%	102,459	160	19.01%	72,845	114	13.52%	4.15%
Camden County	641	7,558	12	1.84%	4,096	6	1.00%	3,015	5	0.73%	1.11%
Cape Girardeau County	577	153,248	239	41.50%	102,075	159	27.64%	111,377	174	30.16%	11.34%
Carroll County	695	254,296	397	57.17%	235,969	369	53.05%	164,580	257	37.00%	20.17%
Carter County	509	1,871	3	0.57%	1,551	2	0.48%	1,805	3	0.55%	0.02%

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Cass County	702	137,732	215	30.66%	137,625	215	30.63%	92,031	144	20.48%	10.17%
Cedar County	471	29,181	46	9.68%	24,738	39	8.21%	14,398	22	4.78%	4.90%
Chariton County	758	213,061	333	43.92%	201,336	315	41.50%	155,054	242	31.96%	11.96%
Christian County	564	15,130	24	4.19%	14,882	23	4.12%	13,041	20	3.61%	0.58%
Clark County	507	149,217	233	45.99%	96,331	151	29.69%	92,775	145	28.59%	17.39%
Clay County	403	44,530	70	17.27%	40,410	63	15.67%	34,837	54	13.51%	3.76%
Clinton County	423	120,357	188	44.46%	89,694	140	33.13%	84,746	132	31.30%	13.15%
Cole County	392	27,233	43	10.85%	22,978	36	9.16%	19,373	30	7.72%	3.13%
Cooper County	566	118,347	185	32.67%	147,158	230	40.62%	87,732	137	24.22%	8.45%
Crawford County	744	9,394	15	1.97%	15,939	25	3.35%	9,455	15	1.99%	-0.01%
Dade County	491	78,396	122	24.95%	67,813	106	21.58%	61,820	97	19.67%	5.27%
Dallas County	543	10,464	16	3.01%	11,294	18	3.25%	8,865	14	2.55%	0.46%
Daviess County	568	108,787	170	29.93%	121,263	189	33.36%	99,938	156	27.49%	2.43%
DeKalb County	425	86,264	135	31.71%	103,687	162	38.12%	68,613	107	25.23%	6.49%
Dent County	755	12,506	20	2.59%	5,941	9	1.23%	4,306	7	0.89%	1.70%
Douglas County	814	19,918	31	3.82%	14,813	23	2.84%	11,494	18	2.21%	1.62%
Dunklin County	547	224,138	350	64.02%	237,655	371	67.89%	238,702	373	68.18%	-4.16%
Franklin County	922	54,348	85	9.21%	65,140	102	11.04%	49,008	77	8.31%	0.90%

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Gasconade County	521	30,227	47	9.07%	21,788	34	6.53%	19,980	31	5.99%	3.07%
Gentry County	493	87,683	137	27.79%	83,421	130	26.44%	51,561	81	16.34%	11.45%
Greene County	678	25,374	40	5.85%	29,804	47	6.87%	18,858	29	4.35%	1.50%
Grundy County	437	73,339	115	26.22%	74,687	117	26.70%	67,502	105	24.14%	2.09%
Harrison County	725	139,717	218	30.11%	147,856	231	31.87%	90,533	141	19.51%	10.60%
Henry County	729	134,920	211	28.92%	133,419	208	28.60%	71,016	111	15.22%	13.70%
Hickory County	411	14,204	22	5.40%	19,681	31	7.48%	8,117	13	3.09%	2.31%
Holt County	456	173,776	272	59.54%	150,303	235	51.50%	146,331	229	50.14%	9.40%
Howard County	464	94,230	147	31.73%	84,833	133	28.57%	92,309	144	31.08%	0.65%
Howell County	927	34,013	53	5.73%	23,937	37	4.03%	18,392	29	3.10%	2.63%
Iron County	552	1,719	3	0.49%	1,914	3	0.54%	722	1	0.20%	0.28%
Jackson County	611	59,090	92	15.11%	56,857	89	14.54%	55,354	86	14.16%	0.96%
Jasper County	641	111,982	175	27.30%	80,125	125	19.53%	63,986	100	15.60%	11.70%
Jefferson County	668	11,669	18	2.73%	16,212	25	3.79%	11,621	18	2.72%	0.01%
Johnson County	834	138,842	217	26.01%	127,121	199	23.82%	96,603	151	18.10%	7.91%
Knox County	507	107,230	168	33.05%	132,734	207	40.91%	80,905	126	24.93%	8.11%
Laclede County	770	16,273	25	3.30%	20,454	32	4.15%	9,493	15	1.93%	1.38%
Lafayette County	632	217,008	339	53.65%	202,696	317	50.11%	179,263	280	44.32%	9.33%

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Lawrence County	614	50,920	80	12.96%	58,620	92	14.92%	36,440	57	9.27%	3.68%
Lewis County	508	111,428	174	34.27%	157,309	246	48.38%	102,772	161	31.61%	2.66%
Lincoln County	627	122,091	191	30.43%	154,925	242	38.61%	97,131	152	24.21%	6.22%
Linn County	620	111,162	174	28.01%	104,604	163	26.36%	67,965	106	17.13%	10.89%
Livingston County	537	155,904	244	45.36%	134,369	210	39.10%	117,745	184	34.26%	11.10%
McDonald County	541	35,482	55	10.25%	34,587	54	9.99%	24,571	38	7.10%	3.15%
Macon County	797	142,845	223	28.00%	110,097	172	21.58%	84,670	132	16.60%	11.41%
Madison County	497	3,365	5	1.06%	3,287	5	1.03%	2,142	3	0.67%	0.38%
Maries County	528	26,079	41	7.72%	16,218	25	4.80%	7,532	12	2.23%	5.49%
Marion County	438	141,553	221	50.50%	125,546	196	44.79%	115,306	180	41.13%	9.36%
Mercer County	454	53,997	84	18.58%	62,310	97	21.44%	33,711	53	11.60%	6.98%
Miller County	593	22,845	36	6.02%	21,109	33	5.56%	13,676	21	3.60%	2.42%
Mississippi County	410	226,165	353	86.19%	209,889	328	79.99%	178,131	278	67.89%	18.31%
Moniteau County	417	56,888	89	21.32%	44,944	70	16.84%	43,958	69	16.47%	4.84%
Monroe County	670	163,220	255	38.06%	179,014	280	41.75%	97,851	153	22.82%	15.24%
Montgomery County	540	118,475	185	34.28%	162,194	253	46.93%	104,474	163	30.23%	4.05%
Morgan County	594	32,426	51	8.53%	27,961	44	7.36%	23,677	37	6.23%	2.30%
New Madrid County	679	387,388	605	89.14%	292,898	458	67.40%	270,754	423	62.31%	26.84%

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Newton County	627	43,872	69	10.93%	53,278	83	13.28%	39,780	62	9.91%	1.02%
Nodaway County	875	252,594	395	45.11%	219,278	343	39.16%	237,677	371	42.44%	2.66%
Oregon County	792	13,576	21	2.68%	18,630	29	3.68%	14,007	22	2.76%	-0.09%
Osage County	606	39,298	61	10.13%	38,720	61	9.98%	24,531	38	6.33%	3.81%
Ozark County	731	25,652	40	5.48%	20,911	33	4.47%	13,853	22	2.96%	2.52%
Pemiscot County	517	278,433	435	84.15%	235,761	368	71.25%	226,472	354	68.45%	15.70%
Perry County	473	83,318	130	27.52%	84,522	132	27.92%	63,714	100	21.05%	6.48%
Pettis County	686	178,357	279	40.62%	176,405	276	40.18%	122,005	191	27.79%	12.84%
Phelps County	674	9,101	14	2.11%	5,108	8	1.18%	5,180	8	1.20%	0.91%
Pike County	673	162,454	254	37.72%	164,645	257	38.23%	146,548	229	34.02%	3.69%
Platte County	421	105,323	165	39.09%	77,885	122	28.91%	75,964	119	28.19%	10.90%
Polk County	642	36,123	56	8.79%	34,084	53	8.30%	22,875	36	5.57%	3.22%
Pulaski County	551	10,801	17	3.06%	4,804	8	1.36%	1,863	3	0.53%	2.53%
Putnam County	520	51,125	80	15.36%	55,624	87	16.71%	24,090	38	7.24%	8.12%
Ralls County	481	131,951	206	42.86%	156,602	245	50.87%	101,546	159	32.99%	9.88%
Randolph County	473	84,479	132	27.91%	59,589	93	19.68%	43,155	67	14.26%	13.65%
Ray County	568	112,121	175	30.84%	117,774	184	32.40%	86,588	135	23.82%	7.02%
Reynolds County	808	561	1	0.11%	814	1	0.16%	754	1	0.15%	-0.04%

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Ripley County	632	20,202	32	4.99%	19,845	31	4.91%	12,789	20	3.16%	1.83%
Saint Charles County	558	107,897	169	30.21%	101,539	159	28.43%	86,802	136	24.31%	5.91%
Saint Clair County	698	69,742	109	15.61%	54,639	85	12.23%	31,908	50	7.14%	8.47%
Sainte Genevieve County	504	39,625	62	12.28%	34,655	54	10.74%	29,202	46	9.05%	3.23%
Saint Francois County	451	7,403	12	2.56%	6,897	11	2.39%	5,183	8	1.80%	0.77%
Saint Louis County	505	11,064	17	3.42%	11,264	18	3.49%	9,121	14	2.82%	0.60%
Saline County	755	309,277	483	64.01%	308,851	483	63.92%	221,231	346	45.78%	18.22%
Schuyler County	308	32,538	51	16.51%	38,162	60	19.36%	13,324	21	6.76%	9.75%
Scotland County	439	126,832	198	45.14%	90,109	141	32.07%	77,384	121	27.54%	17.60%
Scott County	423	185,453	290	68.50%	164,058	256	60.60%	140,154	219	51.77%	16.73%
Shannon County	1,004	4,638	7	0.72%	3,460	5	0.54%	2,235	3	0.35%	0.37%
Shelby County	501	138,801	217	43.29%	165,191	258	51.52%	126,917	198	39.58%	3.71%
Stoddard County	815	399,235	624	76.54%	317,118	495	60.80%	255,280	399	48.94%	27.60%
Stone County	451	12,769	20	4.42%	17,678	28	6.12%	13,603	21	4.71%	-0.29%
Sullivan County	651	58,589	92	14.06%	55,550	87	13.33%	31,043	49	7.45%	6.61%
Taney County	608	8,286	13	2.13%	9,619	15	2.47%	4,211	7	1.08%	1.05%
Texas County	1,180	26,221	41	3.47%	20,271	32	2.68%	20,107	31	2.66%	0.81%
Vernon County	837	197,166	308	36.81%	145,446	227	27.15%	95,640	149	17.85%	18.95%

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Warren County	429	65,130	102	23.72%	60,453	94	22.02%	50,358	79	18.34%	5.38%
Washington County	762	4,472	7	0.92%	3,782	6	0.78%	3,006	5	0.62%	0.30%
Wayne County	763	19,040	30	3.90%	5,862	9	1.20%	7,808	12	1.60%	2.30%
Webster County	594	15,723	25	4.14%	16,410	26	4.32%	10,322	16	2.72%	1.42%
Worth County	266	36,372	57	21.37%	32,572	51	19.13%	19,348	30	11.37%	10.00%
Wright County	682	13,599	21	3.12%	17,699	28	4.05%	7,075	11	1.62%	1.49%
Saint Louis City ⑤	61	---	---	---	---	---	---	---	---	---	---
Statewide	69,709	10,652,295	16,644	23.88%	9,957,304	15,558	22.32%	7,835,461	12,243	17.56%	6.314%

**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.