

Fertilizers and Chemicals Applied: 2017, 2012, and 2007

Chemicals used to control - Insects

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	31,573	49	8.70%	11,193	17	3.08%	9,118	14	2.51%	6.19%
Andrew County	436	51,171	80	18.34%	30,575	48	10.96%	23,784	37	8.52%	9.81%
Atchison County	560	97,695	153	27.26%	79,256	124	22.11%	48,543	76	13.54%	13.71%
Audrain County	692	137,470	215	31.04%	112,110	175	25.31%	68,750	107	15.52%	15.52%
Barry County	773	18,760	29	3.79%	4,392	7	0.89%	4,406	7	0.89%	2.90%
Barton County	597	76,928	120	20.13%	52,961	83	13.86%	29,028	45	7.60%	12.54%
Bates County	849	85,893	134	15.81%	54,118	85	9.96%	31,916	50	5.87%	9.93%
Benton County	729	7,089	11	1.52%	6,916	11	1.48%	5,084	8	1.09%	0.43%
Bollinger County	621	8,239	13	2.07%	10,797	17	2.72%	9,141	14	2.30%	-0.23%
Boone County	687	37,492	59	8.53%	25,366	40	5.77%	13,668	21	3.11%	5.42%
Buchanan County	409	37,027	58	14.15%	26,959	42	10.30%	27,026	42	10.32%	3.82%
Butler County	698	71,938	112	16.10%	71,340	111	15.97%	26,514	41	5.94%	10.17%
Caldwell County	431	23,484	37	8.51%	21,373	33	7.75%	8,543	13	3.10%	5.42%
Callaway County	842	52,696	82	9.78%	24,445	38	4.54%	12,793	20	2.37%	7.40%
Camden County	641	738	1	0.18%	122	0	0.03%	637	1	0.16%	0.02%
Cape Girardeau County	577	81,837	128	22.16%	35,328	55	9.57%	24,181	38	6.55%	15.61%
Carroll County	695	140,948	220	31.69%	100,397	157	22.57%	37,643	59	8.46%	23.23%
Carter County	509	(D)	---	---	16	0	0.00%	(D)	---	---	---

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Cass County	702	50,118	78	11.16%	44,404	69	9.88%	18,155	28	4.04%	7.11%
Cedar County	471	3,430	5	1.14%	2,101	3	0.70%	1,280	2	0.42%	0.71%
Chariton County	758	130,602	204	26.92%	61,985	97	12.78%	39,113	61	8.06%	18.86%
Christian County	564	4,689	7	1.30%	3,509	5	0.97%	5,732	9	1.59%	-0.29%
Clark County	507	86,787	136	26.75%	30,178	47	9.30%	27,586	43	8.50%	18.24%
Clay County	403	12,291	19	4.77%	10,439	16	4.05%	5,019	8	1.95%	2.82%
Clinton County	423	72,236	113	26.68%	44,828	70	16.56%	24,082	38	8.90%	17.79%
Cole County	392	5,103	8	2.03%	4,362	7	1.74%	2,928	5	1.17%	0.87%
Cooper County	566	62,197	97	17.17%	55,806	87	15.41%	20,313	32	5.61%	11.56%
Crawford County	744	2,309	4	0.48%	1,298	2	0.27%	807	1	0.17%	0.32%
Dade County	491	26,961	42	8.58%	13,398	21	4.26%	16,979	27	5.40%	3.18%
Dallas County	543	1,329	2	0.38%	1,774	3	0.51%	2,075	3	0.60%	-0.21%
Daviess County	568	54,404	85	14.97%	32,571	51	8.96%	18,127	28	4.99%	9.98%
DeKalb County	425	53,531	84	19.68%	26,300	41	9.67%	24,788	39	9.11%	10.57%
Dent County	755	334	1	0.07%	412	1	0.09%	435	1	0.09%	-0.02%
Douglas County	814	910	1	0.17%	1,940	3	0.37%	1,076	2	0.21%	-0.03%
Dunklin County	547	153,987	241	43.99%	148,401	232	42.39%	200,812	314	57.36%	-13.38%
Franklin County	922	15,953	25	2.70%	13,136	21	2.23%	7,033	11	1.19%	1.51%

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Gasconade County	521	7,675	12	2.30%	3,258	5	0.98%	4,655	7	1.40%	0.91%
Gentry County	493	35,887	56	11.37%	20,229	32	6.41%	16,794	26	5.32%	6.05%
Greene County	678	4,538	7	1.05%	6,557	10	1.51%	6,993	11	1.61%	-0.57%
Grundy County	437	25,855	40	9.24%	15,633	24	5.59%	22,200	35	7.94%	1.31%
Harrison County	725	66,485	104	14.33%	51,736	81	11.15%	32,154	50	6.93%	7.40%
Henry County	729	45,865	72	9.83%	17,286	27	3.70%	6,844	11	1.47%	8.36%
Hickory County	411	2,979	5	1.13%	636	1	0.24%	1,003	2	0.38%	0.75%
Holt County	456	102,116	160	34.99%	57,224	89	19.61%	57,754	90	19.79%	15.20%
Howard County	464	35,154	55	11.84%	36,250	57	12.21%	31,702	50	10.68%	1.16%
Howell County	927	5,506	9	0.93%	9,518	15	1.60%	2,087	3	0.35%	0.58%
Iron County	552	25	0	0.01%	31	0	0.01%	(D)	---	---	---
Jackson County	611	23,780	37	6.08%	15,901	25	4.07%	8,110	13	2.07%	4.01%
Jasper County	641	27,430	43	6.69%	14,025	22	3.42%	7,644	12	1.86%	4.82%
Jefferson County	668	1,954	3	0.46%	2,030	3	0.47%	3,038	5	0.71%	-0.25%
Johnson County	834	43,846	69	8.21%	22,150	35	4.15%	22,203	35	4.16%	4.05%
Knox County	507	49,024	77	15.11%	34,740	54	10.71%	23,509	37	7.25%	7.86%
Laclede County	770	2,875	4	0.58%	3,375	5	0.68%	3,931	6	0.80%	-0.21%
Lafayette County	632	121,233	189	29.97%	73,843	115	18.26%	42,722	67	10.56%	19.41%

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Lawrence County	614	16,912	26	4.30%	15,439	24	3.93%	8,191	13	2.08%	2.22%
Lewis County	508	51,911	81	15.97%	41,092	64	12.64%	25,198	39	7.75%	8.22%
Lincoln County	627	46,334	72	11.55%	50,682	79	12.63%	22,176	35	5.53%	6.02%
Linn County	620	19,679	31	4.96%	30,864	48	7.78%	7,503	12	1.89%	3.07%
Livingston County	537	43,095	67	12.54%	40,934	64	11.91%	17,156	27	4.99%	7.55%
McDonald County	541	5,122	8	1.48%	1,174	2	0.34%	1,221	2	0.35%	1.13%
Macon County	797	69,266	108	13.58%	38,935	61	7.63%	14,911	23	2.92%	10.66%
Madison County	497	60	0	0.02%	464	1	0.15%	238	0	0.07%	-0.06%
Maries County	528	807	1	0.24%	2,677	4	0.79%	864	1	0.26%	-0.02%
Marion County	438	60,671	95	21.64%	43,423	68	15.49%	31,184	49	11.12%	10.52%
Mercer County	454	12,255	19	4.22%	11,285	18	3.88%	11,103	17	3.82%	0.40%
Miller County	593	1,132	2	0.30%	823	1	0.22%	3,283	5	0.87%	-0.57%
Mississippi County	410	124,031	194	47.27%	101,175	158	38.56%	115,606	181	44.06%	3.21%
Moniteau County	417	8,635	13	3.24%	11,753	18	4.40%	10,747	17	4.03%	-0.79%
Monroe County	670	83,115	130	19.38%	75,063	117	17.51%	28,867	45	6.73%	12.65%
Montgomery County	540	64,492	101	18.66%	49,235	77	14.25%	29,074	45	8.41%	10.25%
Morgan County	594	5,554	9	1.46%	4,411	7	1.16%	3,649	6	0.96%	0.50%
New Madrid County	679	206,310	322	47.48%	158,427	248	36.46%	175,060	274	40.28%	7.19%

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Newton County	627	11,334	18	2.82%	9,480	15	2.36%	15,686	25	3.91%	-1.08%
Nodaway County	875	115,769	181	20.67%	78,929	123	14.09%	35,693	56	6.37%	14.30%
Oregon County	792	766	1	0.15%	10,237	16	2.02%	1,201	2	0.24%	-0.09%
Osage County	606	10,109	16	2.61%	11,645	18	3.00%	6,021	9	1.55%	1.05%
Ozark County	731	1,966	3	0.42%	7,847	12	1.68%	2,341	4	0.50%	-0.08%
Pemiscot County	517	168,549	263	50.94%	112,519	176	34.01%	133,306	208	40.29%	10.65%
Perry County	473	34,557	54	11.42%	33,267	52	10.99%	17,243	27	5.70%	5.72%
Pettis County	686	87,510	137	19.93%	58,628	92	13.35%	32,465	51	7.39%	12.54%
Phelps County	674	105	0	0.02%	294	0	0.07%	977	2	0.23%	-0.20%
Pike County	673	66,690	104	15.48%	59,684	93	13.86%	46,668	73	10.83%	4.65%
Platte County	421	40,258	63	14.94%	25,341	40	9.41%	17,585	27	6.53%	8.41%
Polk County	642	7,947	12	1.93%	4,196	7	1.02%	4,843	8	1.18%	0.76%
Pulaski County	551	(D)	---	---	1,016	2	0.29%	(D)	---	---	---
Putnam County	520	15,471	24	4.65%	10,202	16	3.07%	5,901	9	1.77%	2.88%
Ralls County	481	55,120	86	17.91%	37,935	59	12.32%	26,739	42	8.69%	9.22%
Randolph County	473	44,321	69	14.64%	14,446	23	4.77%	8,193	13	2.71%	11.93%
Ray County	568	54,428	85	14.97%	44,403	69	12.21%	12,438	19	3.42%	11.55%
Reynolds County	808	(D)	---	---	88	0	0.02%	49	0	0.01%	---

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Ripley County	632	8,685	14	2.15%	8,589	13	2.12%	991	2	0.25%	1.90%
Saint Charles County	558	45,930	72	12.86%	40,117	63	11.23%	28,278	44	7.92%	4.94%
Saint Clair County	698	30,802	48	6.90%	3,934	6	0.88%	4,178	7	0.94%	5.96%
Sainte Genevieve County	504	13,512	21	4.19%	16,264	25	5.04%	6,663	10	2.07%	2.12%
Saint Francois County	451	1,844	3	0.64%	1,523	2	0.53%	475	1	0.16%	0.47%
Saint Louis County	505	2,586	4	0.80%	4,609	7	1.43%	4,645	7	1.44%	-0.64%
Saline County	755	212,792	332	44.04%	146,630	229	30.35%	76,451	119	15.82%	28.22%
Schuyler County	308	4,710	7	2.39%	9,992	16	5.07%	4,431	7	2.25%	0.14%
Scotland County	439	35,410	55	12.60%	31,137	49	11.08%	19,543	31	6.96%	5.65%
Scott County	423	114,275	179	42.21%	102,657	160	37.92%	61,856	97	22.85%	19.36%
Shannon County	1,004	47	0	0.01%	248	0	0.04%	124	0	0.02%	-0.01%
Shelby County	501	95,935	150	29.92%	66,982	105	20.89%	37,617	59	11.73%	18.19%
Stoddard County	815	255,269	399	48.94%	184,963	289	35.46%	142,061	222	27.24%	21.70%
Stone County	451	1,132	2	0.39%	5,396	8	1.87%	3,347	5	1.16%	-0.77%
Sullivan County	651	11,015	17	2.64%	11,495	18	2.76%	9,226	14	2.21%	0.43%
Taney County	608	345	1	0.09%	200	0	0.05%	133	0	0.03%	0.05%
Texas County	1,180	628	1	0.08%	909	1	0.12%	8,534	13	1.13%	-1.05%
Vernon County	837	101,982	159	19.04%	45,453	71	8.49%	18,938	30	3.54%	15.50%

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Warren County	429	23,486	37	8.55%	9,548	15	3.48%	8,343	13	3.04%	5.52%
Washington County	762	1,927	3	0.40%	693	1	0.14%	191	0	0.04%	0.36%
Wayne County	763	4,493	7	0.92%	2,206	3	0.45%	532	1	0.11%	0.81%
Webster County	594	2,745	4	0.72%	3,167	5	0.83%	3,388	5	0.89%	-0.17%
Worth County	266	9,186	14	5.40%	9,251	14	5.43%	2,728	4	1.60%	3.79%
Wright County	682	3,057	5	0.70%	1,938	3	0.44%	3,300	5	0.76%	-0.06%
Saint Louis City ⑤	61	---	---	---	---	---	---	---	---	---	---
Statewide	69,709	4,816,682	7,526	10.80%	3,454,842	5,398	7.74%	2,410,404	3,766	5.40%	5.394%

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.