

Fertilizers and Chemicals Applied: 2017, 2012, and 2007
Chemicals used to control - Diseases in crops and orchards

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	3,888	6	1.07%	1,172	2	0.32%	1,775	3	0.49%	0.58%
Andrew County	436	12,364	19	4.43%	4,538	7	1.63%	1,406	2	0.50%	3.93%
Atchison County	560	25,297	40	7.06%	13,977	22	3.90%	5,011	8	1.40%	5.66%
Audrain County	692	26,258	41	5.93%	13,123	21	2.96%	3,390	5	0.77%	5.16%
Barry County	773	9,789	15	1.98%	487	1	0.10%	214	0	0.04%	1.94%
Barton County	597	25,406	40	6.65%	14,813	23	3.88%	4,480	7	1.17%	5.48%
Bates County	849	28,389	44	5.22%	77	0	0.01%	565	1	0.10%	5.12%
Benton County	729	(D)	---	---	1,203	2	0.26%	50	0	0.01%	---
Bollinger County	621	3,415	5	0.86%	2,926	5	0.74%	3,410	5	0.86%	0.00%
Boone County	687	21,125	33	4.80%	1,544	2	0.35%	807	1	0.18%	4.62%
Buchanan County	409	7,862	12	3.00%	2,968	5	1.13%	2,054	3	0.78%	2.22%
Butler County	698	37,673	59	8.43%	43,010	67	9.63%	25,912	40	5.80%	2.63%
Caldwell County	431	(D)	---	---	2,659	4	0.96%	2,575	4	0.93%	---
Callaway County	842	14,126	22	2.62%	7,749	12	1.44%	368	1	0.07%	2.55%
Camden County	641	-	---	---	26	0	0.01%	-	---	---	0.00%
Cape Girardeau County	577	23,120	36	6.26%	8,420	13	2.28%	10,020	16	2.71%	3.55%
Carroll County	695	18,285	29	4.11%	7,228	11	1.63%	2,191	3	0.49%	3.62%
Carter County	509	(D)	---	---	4	0	0.00%	-	---	---	---
Cass County	702	19,822	31	4.41%	6,980	11	1.55%	7,263	11	1.62%	2.80%

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Cedar County	471	(D)	---	---	162	0	0.05%	7	0	0.00%	---
Chariton County	758	13,151	21	2.71%	6,099	10	1.26%	5,798	9	1.20%	1.52%
Christian County	564	(D)	---	---	34	0	0.01%	(D)	---	---	---
Clark County	507	3,944	6	1.22%	1,928	3	0.59%	197	0	0.06%	1.15%
Clay County	403	(D)	---	---	1,655	3	0.64%	241	0	0.09%	---
Clinton County	423	(D)	---	---	5,101	8	1.88%	2,764	4	1.02%	---
Cole County	392	167	0	0.07%	70	0	0.03%	117	0	0.05%	0.02%
Cooper County	566	21,910	34	6.05%	9,131	14	2.52%	950	1	0.26%	5.79%
Crawford County	744	(D)	---	---	(D)	---	---	(D)	---	---	---
Dade County	491	8,947	14	2.85%	9,998	16	3.18%	668	1	0.21%	2.63%
Dallas County	543	47	0	0.01%	162	0	0.05%	46	0	0.01%	0.00%
Daviess County	568	14,123	22	3.89%	3,082	5	0.85%	2,637	4	0.73%	3.16%
DeKalb County	425	16,063	25	5.91%	290	0	0.11%	646	1	0.24%	5.67%
Dent County	755	13	0	0.00%	114	0	0.02%	68	0	0.01%	-0.01%
Douglas County	814	-	---	---	(D)	---	---	8	0	0.00%	0.00%
Dunklin County	547	51,671	81	14.76%	57,092	89	16.31%	46,005	72	13.14%	1.62%
Franklin County	922	6,663	10	1.13%	2,122	3	0.36%	556	1	0.09%	1.03%
Gasconade County	521	2,268	4	0.68%	213	0	0.06%	667	1	0.20%	0.48%
Gentry County	493	10,477	16	3.32%	3,482	5	1.10%	1,708	3	0.54%	2.78%

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Greene County	678	1,064	2	0.25%	257	0	0.06%	177	0	0.04%	0.20%
Grundy County	437	3,244	5	1.16%	7,502	12	2.68%	2,739	4	0.98%	0.18%
Harrison County	725	23,723	37	5.11%	5,973	9	1.29%	1,616	3	0.35%	4.76%
Henry County	729	10,327	16	2.21%	3,993	6	0.86%	369	1	0.08%	2.13%
Hickory County	411	(D)	---	---	(D)	---	---	9	0	0.00%	---
Holt County	456	54,235	85	18.58%	17,439	27	5.98%	14,602	23	5.00%	13.58%
Howard County	464	7,649	12	2.58%	5,149	8	1.73%	1,007	2	0.34%	2.24%
Howell County	927	(D)	---	---	11	0	0.00%	28	0	0.00%	---
Iron County	552	-	---	---	(D)	---	---	5	0	0.00%	0.00%
Jackson County	611	2,796	4	0.72%	4,489	7	1.15%	847	1	0.22%	0.50%
Jasper County	641	10,331	16	2.52%	2,627	4	0.64%	621	1	0.15%	2.37%
Jefferson County	668	76	0	0.02%	199	0	0.05%	238	0	0.06%	-0.04%
Johnson County	834	12,672	20	2.37%	3,173	5	0.59%	1,025	2	0.19%	2.18%
Knox County	507	22,070	34	6.80%	1,151	2	0.35%	1,370	2	0.42%	6.38%
Laclede County	770	(D)	---	---	143	0	0.03%	161	0	0.03%	---
Lafayette County	632	25,662	40	6.34%	10,327	16	2.55%	4,621	7	1.14%	5.20%
Lawrence County	614	3,208	5	0.82%	3,803	6	0.97%	858	1	0.22%	0.60%
Lewis County	508	11,854	19	3.65%	(D)	---	---	720	1	0.22%	3.42%
Lincoln County	627	5,233	8	1.30%	4,016	6	1.00%	814	1	0.20%	1.10%

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Linn County	620	3,867	6	0.97%	3,010	5	0.76%	729	1	0.18%	0.79%
Livingston County	537	9,296	15	2.70%	3,323	5	0.97%	688	1	0.20%	2.50%
McDonald County	541	(D)	---	---	81	0	0.02%	273	0	0.08%	---
Macon County	797	13,374	21	2.62%	2,257	4	0.44%	859	1	0.17%	2.45%
Madison County	497	-	---	---	(D)	---	---	(D)	---	---	---
Maries County	528	(D)	---	---	232	0	0.07%	(D)	---	---	---
Marion County	438	11,650	18	4.16%	4,266	7	1.52%	2,266	4	0.81%	3.35%
Mercer County	454	(D)	---	---	554	1	0.19%	(D)	---	---	---
Miller County	593	174	0	0.05%	610	1	0.16%	415	1	0.11%	-0.06%
Mississippi County	410	57,986	91	22.10%	43,739	68	16.67%	63,079	99	24.04%	-1.94%
Moniteau County	417	4,389	7	1.64%	2,892	5	1.08%	169	0	0.06%	1.58%
Monroe County	670	6,256	10	1.46%	2,852	4	0.67%	1,691	3	0.39%	1.06%
Montgomery County	540	18,706	29	5.41%	4,908	8	1.42%	293	0	0.08%	5.33%
Morgan County	594	850	1	0.22%	1,534	2	0.40%	48	0	0.01%	0.21%
New Madrid County	679	61,583	96	14.17%	42,778	67	9.84%	61,707	96	14.20%	-0.03%
Newton County	627	5,015	8	1.25%	2,296	4	0.57%	593	1	0.15%	1.10%
Nodaway County	875	22,330	35	3.99%	9,014	14	1.61%	8,140	13	1.45%	2.53%
Oregon County	792	-	---	---	(D)	---	---	25	0	0.00%	0.00%
Osage County	606	1,554	2	0.40%	3,530	6	0.91%	15	0	0.00%	0.40%

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Ozark County	731	(D)	---	---	9	0	0.00%	26	0	0.01%	---
Pemiscot County	517	110,641	173	33.44%	55,303	86	16.71%	48,458	76	14.65%	18.79%
Perry County	473	6,551	10	2.16%	4,580	7	1.51%	2,660	4	0.88%	1.29%
Pettis County	686	13,478	21	3.07%	4,515	7	1.03%	1,913	3	0.44%	2.63%
Phelps County	674	28	0	0.01%	51	0	0.01%	99	0	0.02%	-0.02%
Pike County	673	8,508	13	1.98%	4,366	7	1.01%	1,570	2	0.36%	1.61%
Platte County	421	10,496	16	3.90%	8,836	14	3.28%	2,987	5	1.11%	2.79%
Polk County	642	2,501	4	0.61%	494	1	0.12%	41	0	0.01%	0.60%
Pulaski County	551	1,202	2	0.34%	(D)	---	---	(D)	---	---	---
Putnam County	520	3,693	6	1.11%	(D)	---	---	1,423	2	0.43%	0.68%
Ralls County	481	7,585	12	2.46%	1,724	3	0.56%	546	1	0.18%	2.29%
Randolph County	473	14,153	22	4.68%	658	1	0.22%	1,081	2	0.36%	4.32%
Ray County	568	10,152	16	2.79%	8,704	14	2.39%	1,565	2	0.43%	2.36%
Reynolds County	808	(D)	---	---	-	---	---	14	0	0.00%	---
Ripley County	632	3,691	6	0.91%	3,947	6	0.98%	1,328	2	0.33%	0.58%
Saint Charles County	558	4,616	7	1.29%	921	1	0.26%	224	0	0.06%	1.23%
Saint Clair County	698	9,096	14	2.04%	(D)	---	---	566	1	0.13%	1.91%
Sainte Genevieve County	504	5,020	8	1.56%	672	1	0.21%	635	1	0.20%	1.36%
Saint Francois County	451	418	1	0.14%	71	0	0.02%	31	0	0.01%	0.13%

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Saint Louis County	505	603	1	0.19%	1,335	2	0.41%	1,359	2	0.42%	-0.23%
Saline County	755	87,229	136	18.05%	16,398	26	3.39%	5,493	9	1.14%	16.92%
Schuyler County	308	1,075	2	0.55%	(D)	---	---	299	0	0.15%	0.39%
Scotland County	439	2,872	4	1.02%	4,490	7	1.60%	1,533	2	0.55%	0.48%
Scott County	423	82,719	129	30.56%	52,780	82	19.50%	18,814	29	6.95%	23.61%
Shannon County	1,004	68	0	0.01%	(D)	---	---	(D)	---	---	---
Shelby County	501	11,612	18	3.62%	9,613	15	3.00%	6,267	10	1.95%	1.67%
Stoddard County	815	109,326	171	20.96%	73,618	115	14.11%	60,089	94	11.52%	9.44%
Stone County	451	7	0	0.00%	59	0	0.02%	24	0	0.01%	-0.01%
Sullivan County	651	669	1	0.16%	999	2	0.24%	527	1	0.13%	0.03%
Taney County	608	107	0	0.03%	(D)	---	---	5	0	0.00%	0.03%
Texas County	1,180	(D)	---	---	95	0	0.01%	(D)	---	---	---
Vernon County	837	32,930	51	6.15%	6,153	10	1.15%	2,493	4	0.47%	5.68%
Warren County	429	3,847	6	1.40%	2,378	4	0.87%	426	1	0.16%	1.25%
Washington County	762	(D)	---	---	(D)	---	---	(D)	---	---	---
Wayne County	763	1,637	3	0.34%	(D)	---	---	(D)	---	---	---
Webster County	594	491	1	0.13%	92	0	0.02%	22	0	0.01%	0.12%
Worth County	266	953	1	0.56%	(D)	---	---	84	0	0.05%	0.51%
Wright County	682	170	0	0.04%	312	0	0.07%	134	0	0.03%	0.01%

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Saint Louis City ⑤	61	---	---	---	---	---	---	---	---	---	---
Statewide	69,709	1,428,334	2,232	3.20%	703,820	1,100	1.58%	470,445	735	1.05%	2.147%

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.