

Fertilizers and Chemicals Applied: 2017, 2012, and 2007

Chemicals used to control - Nematodes

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	4,369	7	1.20%	2,697	4	0.74%	1,700	3	0.47%	0.74%
Andrew County	436	13,420	21	4.81%	4,563	7	1.64%	1,144	2	0.41%	4.40%
Atchison County	560	38,175	60	10.65%	8,531	13	2.38%	3,058	5	0.85%	9.80%
Audrain County	692	31,576	49	7.13%	15,368	24	3.47%	1,890	3	0.43%	6.70%
Barry County	773	(D)	---	---	(D)	---	---	(D)	---	---	---
Barton County	597	8,517	13	2.23%	3,445	5	0.90%	-	---	---	2.23%
Bates County	849	8,520	13	1.57%	5,465	9	1.01%	865	1	0.16%	1.41%
Benton County	729	(D)	---	---	946	1	0.20%	-	---	---	---
Bollinger County	621	1,298	2	0.33%	509	1	0.13%	748	1	0.19%	0.14%
Boone County	687	10,961	17	2.49%	1,746	3	0.40%	965	2	0.22%	2.27%
Buchanan County	409	7,961	12	3.04%	5,450	9	2.08%	1,514	2	0.58%	2.46%
Butler County	698	1,469	2	0.33%	792	1	0.18%	(D)	---	---	---
Caldwell County	431	600	1	0.22%	-	---	---	1,256	2	0.46%	-0.24%
Callaway County	842	13,140	21	2.44%	1,866	3	0.35%	(D)	---	---	---
Camden County	641	3	0	0.00%	35	0	0.01%	-	---	---	0.00%
Cape Girardeau County	577	3,000	5	0.81%	1,272	2	0.34%	279	0	0.08%	0.74%
Carroll County	695	12,998	20	2.92%	11,643	18	2.62%	3,999	6	0.90%	2.02%
Carter County	509	-	---	---	-	---	---	-	---	---	0.00%

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Cass County	702	7,873	12	1.75%	6,883	11	1.53%	(D)	---	---	---
Cedar County	471	-	---	---	(D)	---	---	-	---	---	0.00%
Chariton County	758	15,195	24	3.13%	7,783	12	1.60%	10,287	16	2.12%	1.01%
Christian County	564	-	---	---	(D)	---	---	-	---	---	0.00%
Clark County	507	10,555	16	3.25%	2,192	3	0.68%	126	0	0.04%	3.21%
Clay County	403	3,872	6	1.50%	1,007	2	0.39%	(D)	---	---	---
Clinton County	423	4,081	6	1.51%	4,553	7	1.68%	1,467	2	0.54%	0.97%
Cole County	392	393	1	0.16%	1,465	2	0.58%	318	0	0.13%	0.03%
Cooper County	566	4,842	8	1.34%	2,764	4	0.76%	1,834	3	0.51%	0.83%
Crawford County	744	(D)	---	---	(D)	---	---	(D)	---	---	---
Dade County	491	4,201	7	1.34%	3,984	6	1.27%	(D)	---	---	---
Dallas County	543	-	---	---	(D)	---	---	(D)	---	---	---
Daviess County	568	6,926	11	1.91%	1,489	2	0.41%	4,590	7	1.26%	0.64%
DeKalb County	425	11,352	18	4.17%	433	1	0.16%	(D)	---	---	---
Dent County	755	9	0	0.00%	8	0	0.00%	-	---	---	0.00%
Douglas County	814	(D)	---	---	(D)	---	---	-	---	---	---
Dunklin County	547	35,517	55	10.15%	69,282	108	19.79%	51,880	81	14.82%	-4.67%
Franklin County	922	1,218	2	0.21%	2,380	4	0.40%	873	1	0.15%	0.06%

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Gasconade County	521	1,400	2	0.42%	150	0	0.04%	(D)	---	---	---
Gentry County	493	5,931	9	1.88%	2,518	4	0.80%	4,133	6	1.31%	0.57%
Greene County	678	321	1	0.07%	127	0	0.03%	(D)	---	---	---
Grundy County	437	1,692	3	0.60%	2,656	4	0.95%	(D)	---	---	---
Harrison County	725	16,279	25	3.51%	2,220	3	0.48%	(D)	---	---	---
Henry County	729	5,045	8	1.08%	1,308	2	0.28%	150	0	0.03%	1.05%
Hickory County	411	(D)	---	---	-	---	---	(D)	---	---	---
Holt County	456	43,301	68	14.84%	10,048	16	3.44%	9,409	15	3.22%	11.61%
Howard County	464	6,563	10	2.21%	3,484	5	1.17%	3,782	6	1.27%	0.94%
Howell County	927	(D)	---	---	(D)	---	---	26	0	0.00%	---
Iron County	552	-	---	---	-	---	---	-	---	---	0.00%
Jackson County	611	(D)	---	---	2,574	4	0.66%	833	1	0.21%	---
Jasper County	641	1,435	2	0.35%	90	0	0.02%	(D)	---	---	---
Jefferson County	668	(D)	---	---	21	0	0.00%	266	0	0.06%	---
Johnson County	834	11,354	18	2.13%	4,164	7	0.78%	4,142	6	0.78%	1.35%
Knox County	507	14,933	23	4.60%	5,785	9	1.78%	7,876	12	2.43%	2.17%
Laclede County	770	(D)	---	---	259	0	0.05%	-	---	---	---
Lafayette County	632	20,134	31	4.98%	6,106	10	1.51%	3,752	6	0.93%	4.05%

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Lawrence County	614	393	1	0.10%	692	1	0.18%	162	0	0.04%	0.06%
Lewis County	508	12,599	20	3.88%	6,320	10	1.94%	2,027	3	0.62%	3.25%
Lincoln County	627	9,363	15	2.33%	5,769	9	1.44%	1,786	3	0.45%	1.89%
Linn County	620	2,371	4	0.60%	3,889	6	0.98%	2,431	4	0.61%	-0.02%
Livingston County	537	9,978	16	2.90%	6,391	10	1.86%	2,283	4	0.66%	2.24%
McDonald County	541	(D)	---	---	103	0	0.03%	-	---	---	---
Macon County	797	18,233	28	3.57%	7,863	12	1.54%	990	2	0.19%	3.38%
Madison County	497	-	---	---	-	---	---	-	---	---	0.00%
Maries County	528	-	---	---	(D)	---	---	-	---	---	0.00%
Marion County	438	36,968	58	13.19%	6,477	10	2.31%	1,951	3	0.70%	12.49%
Mercer County	454	624	1	0.21%	166	0	0.06%	(D)	---	---	---
Miller County	593	120	0	0.03%	51	0	0.01%	224	0	0.06%	-0.03%
Mississippi County	410	39,311	61	14.98%	31,736	50	12.09%	23,824	37	9.08%	5.90%
Moniteau County	417	5,316	8	1.99%	1,586	2	0.59%	(D)	---	---	---
Monroe County	670	3,579	6	0.83%	3,225	5	0.75%	2,695	4	0.63%	0.21%
Montgomery County	540	11,663	18	3.37%	4,661	7	1.35%	-	---	---	3.37%
Morgan County	594	292	0	0.08%	107	0	0.03%	(D)	---	---	---
New Madrid County	679	33,338	52	7.67%	40,512	63	9.32%	14,548	23	3.35%	4.32%

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Newton County	627	1,597	2	0.40%	2,244	4	0.56%	(D)	---	---	---
Nodaway County	875	23,091	36	4.12%	7,504	12	1.34%	959	1	0.17%	3.95%
Oregon County	792	-	---	---	-	---	---	-	---	---	0.00%
Osage County	606	1,332	2	0.34%	1,957	3	0.50%	160	0	0.04%	0.30%
Ozark County	731	-	---	---	-	---	---	-	---	---	0.00%
Pemiscot County	517	22,570	35	6.82%	37,509	59	11.34%	12,947	20	3.91%	2.91%
Perry County	473	2,347	4	0.78%	496	1	0.16%	2,981	5	0.98%	-0.21%
Pettis County	686	10,135	16	2.31%	3,139	5	0.71%	1,745	3	0.40%	1.91%
Phelps County	674	(D)	---	---	15	0	0.00%	-	---	---	---
Pike County	673	14,228	22	3.30%	2,750	4	0.64%	1,401	2	0.33%	2.98%
Platte County	421	3,118	5	1.16%	2,335	4	0.87%	(D)	---	---	---
Polk County	642	91	0	0.02%	14	0	0.00%	(D)	---	---	---
Pulaski County	551	(D)	---	---	335	1	0.09%	-	---	---	---
Putnam County	520	3,569	6	1.07%	2,140	3	0.64%	1,123	2	0.34%	0.73%
Ralls County	481	10,064	16	3.27%	2,291	4	0.74%	6,312	10	2.05%	1.22%
Randolph County	473	14,124	22	4.67%	658	1	0.22%	859	1	0.28%	4.38%
Ray County	568	1,145	2	0.31%	2,761	4	0.76%	443	1	0.12%	0.19%
Reynolds County	808	-	---	---	-	---	---	(D)	---	---	---

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Ripley County	632	(D)	---	---	639	1	0.16%	100	0	0.02%	---
Saint Charles County	558	6,790	11	1.90%	1,118	2	0.31%	1,180	2	0.33%	1.57%
Saint Clair County	698	1,052	2	0.24%	(D)	---	---	561	1	0.13%	0.11%
Sainte Genevieve County	504	375	1	0.12%	500	1	0.16%	(D)	---	---	---
Saint Francois County	451	(D)	---	---	66	0	0.02%	(D)	---	---	---
Saint Louis County	505	1,157	2	0.36%	6	0	0.00%	(D)	---	---	---
Saline County	755	48,050	75	9.94%	18,309	29	3.79%	4,596	7	0.95%	8.99%
Schuyler County	308	1,785	3	0.91%	4,042	6	2.05%	155	0	0.08%	0.83%
Scotland County	439	13,607	21	4.84%	5,009	8	1.78%	1,500	2	0.53%	4.31%
Scott County	423	24,284	38	8.97%	23,260	36	8.59%	9,704	15	3.58%	5.39%
Shannon County	1,004	12	0	0.00%	(D)	---	---	-	---	---	0.00%
Shelby County	501	10,973	17	3.42%	10,272	16	3.20%	10,964	17	3.42%	0.00%
Stoddard County	815	11,071	17	2.12%	39,048	61	7.49%	21,507	34	4.12%	-2.00%
Stone County	451	-	---	---	(D)	---	---	15	0	0.01%	-0.01%
Sullivan County	651	393	1	0.09%	4,499	7	1.08%	1,135	2	0.27%	-0.18%
Taney County	608	-	---	---	(D)	---	---	-	---	---	0.00%
Texas County	1,180	(D)	---	---	(D)	---	---	-	---	---	---
Vernon County	837	1,979	3	0.37%	5,406	8	1.01%	(D)	---	---	---

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Warren County	429	5,980	9	2.18%	1,093	2	0.40%	2,332	4	0.85%	1.33%
Washington County	762	-	---	---	(D)	---	---	-	---	---	0.00%
Wayne County	763	(D)	---	---	(D)	---	---	-	---	---	---
Webster County	594	42	0	0.01%	120	0	0.03%	-	---	---	0.01%
Worth County	266	1,123	2	0.66%	1,969	3	1.16%	(D)	---	---	---
Wright County	682	-	---	---	(D)	---	---	-	---	---	0.00%
Saint Louis City ⑤	61	-	---	---	---	---	---	---	---	---	0.00%
Statewide	69,709	819,629	1,281	1.84%	512,511	801	1.15%	277,377	433	0.62%	1.22%

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.