

# **Kansas**

## **Irrigation Water Use**

### **2012**



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# 2012 KANSAS IRRIGATION TABLES

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## INTRODUCTION

The data shown in this publication were prepared using information from Irrigation Water Use Reports submitted to the Kansas Department of Agriculture, Division of Water Resources (DWR), for the 2008 through 2012 calendar years. Annual Water Use Reports are required of all permitted water users as a condition of K.S.A. 82a-732 of the Water Appropriations Act. Each year, Irrigation Water Use Reports are reviewed by DWR to ensure that the information provided is as complete and accurate as possible. Corrections to the reported information may be made through follow-up letters and phone calls. DWR expresses their appreciation to all irrigation water users for completing these annual reports and participating in the follow-up process.

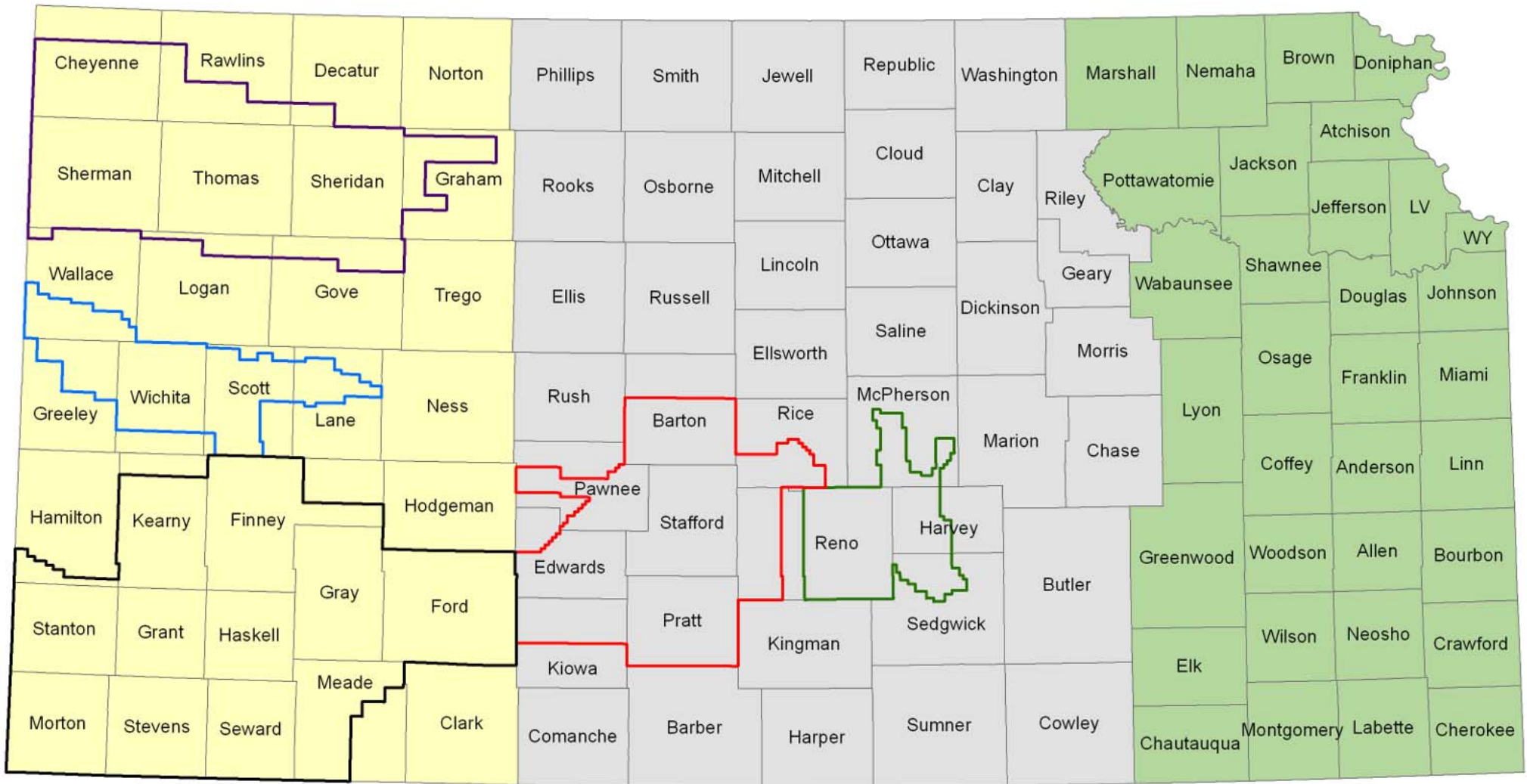
Irrigation is most prevalent in western Kansas where average annual rainfall is less than 20 inches and sufficient groundwater can be pumped to compensate for this lack of moisture. Irrigation water use decreases from western to eastern Kansas, where precipitation is greater and significant aquifers are not present. For many years, the maximum allowable quantities of water allowed for irrigation were 2.0 acre-feet per acre in western Kansas (from the Kansas/Colorado border to the Range 20 West / Range 21 West line), 1.5 acre-feet per acre in central Kansas (from the Range 20 West / Range 21 West line to the Range 5 East / Range 6 East line), and 1.0 acre-feet per acre in eastern Kansas (from the Range 5 East / Range 6 East line to the Kansas / Missouri border). As a result of revised regulations, appropriations of water for irrigation after Sept. 22, 2000 have been based on county-level net irrigation requirements for corn, as determined by the National Resources Conservation Service (NRCS). These county values are shown on p. 68 of the Kansas Water Appropriation Act Rules and Regulations, available at [https://agriculture.ks.gov/docs/default-source/dwr-water-appropriation-documents/kwaa\\_rules\\_reg57c3ada8d515.pdf?sfvrsn=4](https://agriculture.ks.gov/docs/default-source/dwr-water-appropriation-documents/kwaa_rules_reg57c3ada8d515.pdf?sfvrsn=4)

Irrigation water use data in this report are shown by county and by region. The three major regions used for analysis are similar to those originally used for allocation of reasonable quantities for irrigation, because those guidelines were in effect when the majority of irrigation water rights were issued. The division between central and eastern Kansas was adjusted to coincide with county boundaries (see figure 1). The western and central regions are further divided to distinguish the 5 Groundwater Management Districts from the remainder of each region.

Several factors should be considered when interpreting the irrigation water use data presented in this report, or when comparing these data to other sources of irrigation information:

- Quantities of water diverted and acres irrigated are as reported by irrigators, with possible corrections after review by DWR staff. Although the law requires accurate reporting, it is impossible to verify every measurement.
- This report compares irrigation water use with irrigated acres to produce application rates by county and by regional location. Water diverted under ditch irrigation water rights in southwest Kansas and by irrigation districts in north-central Kansas cannot be directly associated with irrigated acres in the same county or region of withdrawal, and for this reason these quantities of surface water are not included in the tables of this report.
- While the majority of irrigated lands in Kansas are in crops, some counties may have irrigation water use for golf courses, nurseries, and recreational areas.
- Historic water use data maintained by DWR are subject to revision at any time as better information becomes available. Revisions to past years' data may result in very small differences from previously published county, regional, and state totals. The data shown in this report are current as of September, 2014.

Figure 1. Regions Used for Kansas Irrigation Water Use Analyses



Kansas Department of Agriculture  
 Administrative Services, GIS  
 October 20, 2011



Legend

- |                |                       |                         |                         |
|----------------|-----------------------|-------------------------|-------------------------|
| Central Kansas | Western Kansas        | Equus Beds GMD #2       | Northwest Kansas GMD #4 |
| Eastern Kansas | Western Kansas GMD #1 | Southwest Kansas GMD #3 | Big Bend GMD #5         |

**Table 1**  
**SELECTED WATER USE STATISTICS BY REGIONAL LOCATION**  
**KANSAS, 2008-2012**

Regional Location	2012					Acre-feet per acre (AF/A)					
	Total Number of Pd's <sup>a/</sup>	Water Use (AF) <sup>b/</sup>	Acres Irrigated	Use above Regional Standard (AF) <sup>c/</sup>	Percent Above Regional Standard	2008	2009	2010	2011	2012	Average
<b>Western Kansas</b>											
Western KS GMD No. 1	2,504	227,368	197,832	4,629	2.0%	0.99	0.88	0.89	1.04	1.15	0.99
Southwest KS GMD No. 3	9,640	2,077,110	1,422,021	62,138	3.0%	1.31	1.18	1.26	1.58	1.46	1.36
Northwest KS GMD No. 4	3,446	538,928	386,343	9,399	1.7%	1.05	0.78	0.96	1.12	1.39	1.06
Remainder of Western KS	2,204	131,132	108,240	2,673	2.0%	0.95	0.84	0.97	1.13	1.21	1.02
<b>Central Kansas</b>											
Equus Beds GMD No. 2	1,893	154,999	136,107	2,122	1.4%	0.65	0.77	0.89	1.30	1.14	0.95
Big Bend GMD No. 5	4,441	580,369	455,072	17,856	3.1%	0.94	0.98	1.11	1.45	1.28	1.15
Remainder of Central KS	5,234	242,211	247,766	6,616	2.7%	0.52	0.61	0.64	0.81	0.98	0.71
<b>Eastern Kansas</b>											
All Eastern Kansas	1,474	55,491	80,150	3,553	6.4%	0.30	0.21	0.34	0.58	0.69	0.42
<b>State Total</b>	<b>30,836</b>	<b>4,007,608</b>	<b>3,033,531</b>	<b>108,986</b>	<b>2.7%</b>	<b>1.10</b>	<b>0.99</b>	<b>1.08</b>	<b>1.36</b>	<b>1.32</b>	<b>1.17</b>

<sup>a/</sup> Total number of active points of diversion includes those that were not used in 2012.

<sup>b/</sup> Water use does not include approximately 137,660 acre-feet of surface water withdrawn in 2012 under ditch irrigation water rights in southwest Kansas and by irrigation districts in north-central Kansas. These amounts cannot be associated with irrigated acres in specific counties and regional locations to develop an acre-foot per acre average, so they are not included in any of the tables.

<sup>c/</sup> Regional standards used for comparison are those that apply to the majority of appropriations for irrigation water use (see figure 1).

**Table 2**  
**IRRIGATION WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE**  
**BY COUNTY, KANSAS, 2008-2012**

County	2012		Average acre-foot per acre (AF/A)					Average
	Water Use (AF)	Acres Irrigated	2008	2009	2010	2011	2012	
Allen	334	675	0.13	0.42	0.36	0.61	0.49	0.40
Anderson	753	1,678	0.21	0.33	0.32	0.59	0.45	0.38
Atchison	442	632	0.17	0.29	0.27	0.26	0.70	0.34
Barber	5,975	4,695	0.80	0.95	1.00	1.60	1.27	1.12
Barton	47,039	36,575	0.68	0.85	0.98	1.33	1.29	1.03
Bourbon	38	220	0.00	0.00	0.00	0.12	0.17	0.06
Brown	2,158	3,777	0.41	0.27	0.36	0.28	0.57	0.38
Butler	1,225	1,549	0.46	0.62	0.58	0.55	0.79	0.60
Chase	1	11	0.34	0.03	0.03	0.00	0.09	0.10
Chautauqua	11	20	0.00	0.00	0.00	0.24	0.55	0.16
Cherokee	459	892	0.13	0.30	0.37	0.53	0.51	0.37
Cheyenne	72,736	47,381	1.22	0.90	1.00	1.18	1.54	1.17
Clark	4,936	4,070	0.93	0.76	0.94	1.26	1.21	1.02
Clay	21,623	25,296	0.47	0.45	0.35	0.42	0.85	0.51
Cloud	20,951	24,061	0.40	0.56	0.43	0.48	0.87	0.55
Coffey	364	823	0.19	0.27	0.29	0.52	0.44	0.34
Comanche	8,817	6,825	1.01	1.09	1.18	1.51	1.29	1.22
Cowley	2,618	3,161	0.44	0.51	0.57	0.94	0.83	0.66
Crawford	786	2,184	0.19	0.21	0.27	0.41	0.36	0.29
Decatur	14,682	10,865	0.97	0.75	0.85	0.92	1.35	0.97
Dickinson	4,692	4,953	0.52	0.49	0.51	0.74	0.95	0.64
Doniphan	556	1,061	0.16	0.15	0.06	0.06	0.52	0.19
Douglas	1,909	2,564	0.40	0.18	0.40	0.55	0.74	0.45
Edwards	126,679	98,698	1.10	1.03	1.11	1.43	1.28	1.19
Elk	1	100	0.00	0.00	0.00	0.00	0.01	0.00
Ellis	2,234	1,954	0.69	0.81	0.89	1.02	1.14	0.91
Ellsworth	476	757	0.19	0.22	0.49	0.54	0.63	0.41
Finney	339,419	213,139	1.33	1.17	1.35	1.62	1.59	1.41
Ford	107,492	84,480	1.13	1.08	1.06	1.43	1.27	1.19
Franklin	1,153	1,596	0.69	0.67	0.86	0.96	0.72	0.78
Geary	4,457	5,026	0.42	0.47	0.50	0.64	0.89	0.58
Gove	25,811	20,999	0.84	0.73	0.90	1.05	1.23	0.95
Graham	18,933	14,683	0.69	0.68	1.03	0.85	1.29	0.91
Grant	155,671	106,477	1.31	1.19	1.32	1.55	1.46	1.37
Gray	217,514	161,685	1.21	1.12	1.21	1.52	1.35	1.28
Greeley	25,605	20,838	1.00	0.97	0.88	1.04	1.23	1.02
Greenwood	107	156	1.00	0.50	0.43	0.45	0.69	0.61
Hamilton	45,275	31,179	1.25	1.13	1.34	1.50	1.45	1.33
Harper	2,040	2,036	0.60	0.51	0.79	1.13	1.00	0.81
Harvey	41,452	36,723	0.67	0.73	0.89	1.27	1.13	0.94
Haskell	232,102	179,088	1.18	1.05	1.17	1.46	1.30	1.23
Hodgeman	28,078	26,729	0.96	0.81	0.93	1.27	1.05	1.00
Jackson	221	407	0.36	0.58	0.39	0.44	0.54	0.46
Jefferson	4,041	5,181	0.34	0.12	0.30	0.57	0.78	0.42
Jewell	3,219	4,014	0.30	0.42	0.53	0.40	0.80	0.49
Johnson	4,199	3,689	0.53	0.45	0.71	0.88	1.14	0.74



**Table 2**  
**IRRIGATION WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE**  
**BY COUNTY, KANSAS, 2008-2012**

County	2012		Average acre-foot per acre (AF/A)					Average
	Water Use (AF)	Acres Irrigated	2008	2009	2010	2011	2012	
Kearny	158,799	95,770	1.57	1.28	1.45	1.65	1.66	1.52
Kingman	21,262	16,332	0.78	1.01	1.11	1.51	1.30	1.14
Kiowa	69,669	52,840	1.15	1.11	1.21	1.54	1.32	1.27
Labette	191	508	0.11	0.21	0.37	0.54	0.38	0.32
Lane	23,038	17,878	1.01	0.93	0.88	1.17	1.29	1.06
Leavenworth	1,169	1,680	0.32	0.17	0.29	0.46	0.70	0.39
Lincoln	934	1,435	0.12	0.27	0.28	0.41	0.65	0.35
Linn	162	188	0.51	0.24	0.68	0.66	0.86	0.59
Logan	9,882	8,799	0.91	0.53	0.72	1.01	1.12	0.86
Lyon	201	253	0.27	0.35	0.31	0.64	0.79	0.47
Marion	2,449	3,158	0.39	0.32	0.46	0.72	0.78	0.53
Marshall	2,229	3,132	0.38	0.38	0.47	0.41	0.71	0.47
McPherson	39,030	36,100	0.58	0.68	0.73	1.18	1.08	0.85
Meade	207,105	125,680	1.41	1.34	1.35	1.82	1.65	1.51
Miami	218	327	0.18	0.19	0.42	0.37	0.67	0.37
Mitchell	7,494	7,707	0.54	0.87	0.74	0.64	0.97	0.75
Montgomery	332	1,407	0.20	0.29	0.19	0.27	0.24	0.24
Morris	136	353	0.46	0.18	0.63	0.75	0.39	0.48
Morton	59,823	46,930	1.15	1.03	1.10	1.36	1.27	1.18
Nemaha	396	757	1.34	0.39	0.65	0.38	0.52	0.66
Neosho	73	124	0.71	0.37	0.46	0.74	0.59	0.57
Ness	4,705	4,619	0.95	0.92	0.86	1.40	1.02	1.03
Norton	14,734	12,200	0.82	0.68	0.85	0.59	1.21	0.83
Osage	213	375	0.14	0.22	0.28	0.30	0.57	0.30
Osborne	4,876	3,982	0.58	0.84	0.47	0.83	1.22	0.79
Ottawa	3,831	4,966	0.32	0.43	0.38	0.56	0.77	0.49
Pawnee	86,961	74,982	0.78	0.84	1.02	1.25	1.16	1.01
Phillips	8,477	7,311	0.73	0.72	0.69	0.81	1.16	0.82
Pottawatomie	12,635	17,873	0.22	0.13	0.25	0.61	0.71	0.38
Pratt	109,485	84,903	1.02	1.10	1.11	1.55	1.29	1.21
Rawlins	25,168	19,368	0.89	0.70	0.82	0.96	1.30	0.93
Reno	70,186	58,211	0.70	0.89	1.01	1.40	1.21	1.04
Republic	28,004	31,137	0.47	0.58	0.59	0.52	0.90	0.61
Rice	28,141	22,191	0.61	0.72	0.96	1.37	1.27	0.99
Riley	3,550	5,295	0.22	0.17	0.31	0.65	0.67	0.40
Rooks	2,356	2,096	0.36	0.43	0.62	0.80	1.12	0.67
Rush	13,329	11,660	0.60	0.83	0.82	1.20	1.14	0.92
Russell	18	16	0.15	0.36	0.41	0.59	1.13	0.53
Saline	5,127	4,854	0.39	0.38	0.66	0.95	1.06	0.69
Scott	53,141	49,129	0.98	0.88	0.86	1.05	1.08	0.97
Sedgwick	46,064	42,870	0.60	0.68	0.85	1.21	1.07	0.88
Seward	189,442	125,824	1.41	1.25	1.30	1.73	1.51	1.44
Shawnee	12,337	17,025	0.32	0.12	0.33	0.57	0.72	0.41
Sheridan	98,940	78,363	0.98	0.76	1.01	1.01	1.26	1.00
Sherman	173,883	115,574	1.15	0.87	0.97	1.23	1.50	1.14
Smith	3,224	3,813	0.39	0.50	0.43	0.45	0.85	0.52

**Table 2**  
**IRRIGATION WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE**  
**BY COUNTY, KANSAS, 2008-2012**

County	2012		Average acre-foot per acre (AF/A)					Average
	Water Use (AF)	Acres Irrigated	2008	2009	2010	2011	2012	
Stafford	108,892	83,130	0.89	0.94	1.17	1.56	1.31	1.17
Stanton	129,646	100,641	1.20	1.12	1.17	1.36	1.29	1.23
Stevens	262,830	170,010	1.41	1.30	1.26	1.72	1.55	1.45
Sumner	11,465	10,403	0.32	0.43	0.70	1.12	1.10	0.73
Thomas	135,284	100,229	1.01	0.68	0.89	1.12	1.35	1.01
Trego	6,791	5,232	0.83	0.83	1.02	1.17	1.30	1.03
Wabaunsee	6,271	8,522	0.21	0.13	0.31	0.62	0.74	0.40
Wallace	68,519	50,782	1.03	0.90	0.95	1.17	1.35	1.08
Washington	9,121	12,866	0.32	0.42	0.31	0.28	0.71	0.41
Wichita	64,554	65,795	0.95	0.82	0.85	0.90	0.98	0.90
Wilson	786	1,590	0.33	0.26	0.23	0.74	0.49	0.41
Woodson	73	114	0.00	0.00	0.42	0.82	0.64	0.38
Wyandotte	673	620	0.59	0.48	0.46	0.80	1.09	0.68
<b>Total</b>	<b>4,007,608</b>	<b>3,033,531</b>	<b>1.10</b>	<b>0.99</b>	<b>1.08</b>	<b>1.36</b>	<b>1.32</b>	<b>1.17</b>

**TABLE 3  
COMPARISON OF WATER USE AND ACRES IRRIGATED BY METER STATUS AND REGIONAL LOCATION  
KANSAS, 2012**

Regional Location	Metered				Not Metered				Combined <sup>a/</sup>	Total No. of Pd's	Percent Metered <sup>b/</sup>
	No. of Pd's	Water Use (AF)	Acres Irrigated	AF/A	No. of Pd's	Water Use (AF)	Acres Irrigated	AF/A	No. of Pd's		
<b>Western Kansas</b>											
Western KS GMD No. 1	1,238	178,401	153,455	1.16	399	48,967	44,377	1.10	13	1,650	76%
Southwest KS GMD No. 3	7,608	2,053,477	1,402,552	1.46	105	23,633	19,469	1.21	120	7,833	99%
Northwest KS GMD No. 4	3,048	534,680	382,819	1.40	31	4,248	3,524	1.21	92	3,171	99%
Remainder of Western KS	1,262	125,915	104,499	1.20	43	5,217	3,741	1.39	241	1,546	97%
<b>Central Kansas</b>											
Equus Beds GMD No. 2	1,133	132,720	116,028	1.14	209	22,279	20,079	1.11	341	1,683	84%
Big Bend GMD No. 5	3,684	568,765	445,042	1.28	83	11,604	10,030	1.16	376	4,143	98%
Remainder of Central KS	2,675	229,485	232,490	0.99	176	12,726	15,276	0.83	723	3,574	94%
<b>Eastern Kansas</b>											
All Eastern Kansas	661	44,741	64,732	0.69	201	10,750	15,418	0.70	119	981	77%
<b>State Total</b>	<b>21,309</b>	<b>3,868,184</b>	<b>2,901,617</b>	<b>1.33</b>	<b>1,247</b>	<b>139,424</b>	<b>131,914</b>	<b>1.06</b>	<b>2,025</b>	<b>24,581</b>	<b>94%</b>

<sup>a/</sup> Water use and acres irrigated from combined points of diversion are included with either metered or not metered points of diversion.

<sup>b/</sup> Percent metered is the number of metered pd's divided by the total number of pd's excluding combined.

**TABLE 4**  
**WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY CROP AND REGIONAL LOCATION**  
**KANSAS, 2012**

Regional Location	Alfalfa			Corn			Grain Sorghum			Soybeans			Wheat			Other or Multiple Crops <sup>a/</sup>		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
<b>Western Kansas</b>																		
GMD No. 1	1,719	924	1.86	68,108	48,221	1.41	1,291	1,382	0.93	381	253	1.51	3,084	4,567	0.68	152,785	142,485	1.07
GMD No. 3	172,395	91,563	1.88	669,031	386,876	1.73	16,481	16,215	1.02	33,882	21,092	1.61	52,644	52,546	1.00	1,132,677	853,729	1.33
GMD No. 4	6,461	4,564	1.42	331,383	217,764	1.52	1,711	2,021	0.85	23,344	16,157	1.44	3,443	4,522	0.76	172,586	141,315	1.22
Remainder	14,211	10,008	1.42	43,745	33,205	1.32	2,358	2,295	1.03	5,062	4,134	1.22	3,513	4,483	0.78	62,243	54,115	1.15
<b>Central Kansas</b>																		
GMD No. 2	1,384	1,274	1.09	58,339	47,482	1.23	2,704	2,976	0.91	35,683	31,892	1.12	1,256	1,658	0.76	55,633	50,825	1.09
GMD No. 5	26,111	18,972	1.38	267,231	195,434	1.37	12,181	11,247	1.08	100,325	74,685	1.34	14,529	20,333	0.71	159,992	134,401	1.19
Remainder	5,666	5,390	1.05	85,909	84,963	1.01	5,601	5,989	0.94	41,992	45,048	0.93	1,679	2,680	0.63	101,364	103,696	0.98
<b>Eastern Kansas</b>																		
All Eastern KS	201	369	0.54	22,318	31,497	0.71	23	30	0.77	11,688	18,511	0.63	0	0	0	21,261	29,743	0.71
<b>State Total</b>	<b>228,148</b>	<b>133,064</b>	<b>1.71</b>	<b>1,546,064</b>	<b>1,045,442</b>	<b>1.48</b>	<b>42,350</b>	<b>42,155</b>	<b>1.00</b>	<b>252,357</b>	<b>211,772</b>	<b>1.19</b>	<b>80,148</b>	<b>90,789</b>	<b>0.88</b>	<b>1,858,541</b>	<b>1,510,309</b>	<b>1.23</b>

<sup>a/</sup> Other includes irrigated oats, barley, rye, dry beans, sunflowers, pasture, turf grass, cotton, grapes, other unspecified crops, golf courses, truck farms, orchards, and nurseries. Multiple crops are reported combinations of irrigated alfalfa, corn, grain sorghum, soybeans, and other crops.

**TABLE 5**  
**WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY CROP AND COUNTY**  
**KANSAS, 2012**

County	Alfalfa			Corn			Grain Sorghum			Soybeans			Wheat			Other or Multiple Crops <sup>a/</sup>		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Allen	0	0	0.00	210	380	0.55	0	0	0.00	0	0	0.00	0	0	0.00	124	295	0.42
Anderson	0	0	0.00	28	120	0.23	0	0	0.00	53	140	0.38	0	0	0.00	672	1,418	0.47
Atchison	0	0	0.00	205	286	0.72	0	0	0.00	161	260	0.62	0	0	0.00	76	86	0.88
Barber	0	0	0.00	1,481	1,224	1.21	546	390	1.40	568	384	1.48	52	139	0.37	3,328	2,558	1.30
Barton	2,117	1,556	1.36	18,298	13,408	1.36	1,293	1,175	1.10	10,722	8,151	1.32	1,706	1,883	0.91	12,903	10,402	1.24
Bourbon	0	0	0.00	30	90	0.33	0	0	0.00	0	0	0.00	0	0	0.00	8	130	0.06
Brown	0	0	0.00	1,239	2,132	0.58	0	0	0.00	262	616	0.43	0	0	0.00	657	1,029	0.64
Butler	0	0	0.00	117	137	0.85	0	0	0.00	0	0	0.00	201	115	1.75	907	1,297	0.70
Chase	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	11	0.09
Chautauqua	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	11	20	0.55
Cherokee	0	0	0.00	160	348	0.46	0	0	0.00	206	393	0.52	0	0	0.00	93	151	0.62
Cheyenne	2,946	1,867	1.58	47,958	29,730	1.61	19	64	0.30	3,675	2,351	1.56	470	533	0.88	17,668	12,836	1.38
Clark	290	146	1.99	1,111	600	1.85	37	17	2.18	0	0	0.00	309	423	0.73	3,189	2,884	1.11
Clay	0	0	0.00	8,827	9,704	0.91	0	0	0.00	4,471	5,309	0.84	0	0	0.00	8,325	10,283	0.81
Cloud	0	0	0.00	5,768	6,189	0.93	28	67	0.42	3,250	4,198	0.77	5	64	0.08	11,900	13,543	0.88
Coffey	14	40	0.35	127	297	0.43	0	0	0.00	101	228	0.44	0	0	0.00	122	258	0.47
Comanche	665	430	1.55	1,429	1,096	1.30	1,370	1,060	1.29	178	122	1.46	163	256	0.64	5,012	3,861	1.30
Cowley	0	0	0.00	397	550	0.72	0	0	0.00	782	1,022	0.77	0	0	0.00	1,439	1,589	0.91
Crawford	0	0	0.00	207	671	0.31	0	0	0.00	146	432	0.34	0	0	0.00	433	1,081	0.40
Decatur	1,062	865	1.23	8,302	5,981	1.39	167	156	1.07	1,228	830	1.48	152	262	0.58	3,771	2,771	1.36
Dickinson	0	0	0.00	1,542	1,580	0.98	0	0	0.00	911	1,048	0.87	0	0	0.00	2,239	2,325	0.96
Doniphan	0	0	0.00	52	144	0.36	0	0	0.00	236	340	0.69	0	0	0.00	268	577	0.46
Douglas	0	0	0.00	938	1,011	0.93	0	0	0.00	653	1,007	0.65	0	0	0.00	318	546	0.58
Edwards	5,896	3,724	1.58	70,857	51,654	1.37	591	724	0.82	19,660	14,917	1.32	3,969	4,707	0.84	25,706	22,972	1.12
Elk	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	1	100	0.01
Ellis	440	386	1.14	525	510	1.03	57	58	0.98	212	159	1.33	25	55	0.45	975	786	1.24
Ellsworth	1	5	0.20	0	0	0.00	0	0	0.00	183	268	0.68	0	0	0.00	292	484	0.60
Finney	77,273	40,541	1.91	83,912	47,445	1.77	3,306	2,780	1.19	3,925	2,187	1.79	11,103	8,436	1.32	159,900	111,750	1.43
Ford	5,923	3,639	1.63	46,550	31,406	1.48	1,793	1,605	1.12	7,758	5,109	1.52	3,516	4,729	0.74	41,952	37,992	1.10
Franklin	0	0	0.00	248	559	0.44	0	0	0.00	45	125	0.36	0	0	0.00	860	912	0.94
Geary	80	80	1.00	1,643	1,936	0.85	0	0	0.00	524	724	0.72	0	0	0.00	2,210	2,286	0.97
Gove	120	107	1.12	16,679	12,512	1.33	103	140	0.74	787	561	1.40	334	506	0.66	7,788	7,173	1.09
Graham	792	600	1.32	8,116	5,885	1.38	836	619	1.35	2,537	1,722	1.47	373	527	0.71	6,279	5,330	1.18
Grant	3,216	1,650	1.95	28,201	15,128	1.86	1,705	1,227	1.39	0	0	0.00	3,209	4,276	0.75	119,340	84,196	1.42
Gray	23,493	12,787	1.84	84,935	49,160	1.73	3,415	4,170	0.82	5,997	3,963	1.51	8,209	10,187	0.81	91,465	81,418	1.12
Greeley	662	244	2.71	9,320	6,896	1.35	53	124	0.43	12	120	0.10	515	563	0.91	15,043	12,891	1.17
Greenwood	0	0	0.00	87	105	0.83	0	0	0.00	0	0	0.00	0	0	0.00	20	51	0.39
Hamilton	8,634	5,746	1.50	8,996	5,520	1.63	777	986	0.79	0	0	0.00	1,334	1,195	1.12	25,534	17,732	1.44
Harper	70	136	0.51	486	320	1.52	421	393	1.07	583	568	1.03	5	15	0.33	475	604	0.79
Harvey	12	32	0.38	14,861	12,287	1.21	340	404	0.84	9,276	8,330	1.11	182	285	0.64	16,781	15,385	1.09

**TABLE 5**  
**WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY CROP AND COUNTY**  
**KANSAS, 2012**

County	Alfalfa			Corn			Grain Sorghum			Soybeans			Wheat			Other or Multiple Crops <sup>a/</sup>		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Haskell	10,184	5,478	1.86	77,604	44,370	1.75	1,527	2,006	0.76	3,392	2,000	1.70	2,582	2,683	0.96	136,813	122,551	1.12
Hodgeman	271	212	1.28	9,899	8,050	1.23	357	275	1.30	0	0	0.00	813	1,692	0.48	16,738	16,500	1.01
Jackson	0	0	0.00	26	50	0.52	0	0	0.00	35	74	0.47	0	0	0.00	160	283	0.57
Jefferson	38	40	0.95	1,941	2,506	0.77	0	0	0.00	328	527	0.62	0	0	0.00	1,734	2,108	0.82
Jewell	0	0	0.00	1,721	2,067	0.83	0	0	0.00	811	890	0.91	0	0	0.00	687	1,057	0.65
Johnson	70	40	1.75	0	0	0.00	0	0	0.00	129	284	0.45	0	0	0.00	4,000	3,365	1.19
Kearny	44,851	23,404	1.92	42,380	24,344	1.74	1,705	1,443	1.18	1,172	820	1.43	6,901	5,256	1.31	61,790	40,503	1.53
Kingman	0	0	0.00	8,134	5,798	1.40	526	478	1.10	2,828	2,135	1.32	113	431	0.26	9,661	7,490	1.29
Kiowa	3,268	2,265	1.44	35,484	24,533	1.45	4,902	4,877	1.01	8,501	6,084	1.40	909	1,284	0.71	16,605	13,797	1.20
Labette	0	0	0.00	0	0	0.00	0	0	0.00	85	250	0.34	0	0	0.00	106	258	0.41
Lane	0	0	0.00	3,661	2,600	1.41	171	339	0.50	0	0	0.00	547	680	0.80	18,659	14,259	1.31
Leavenworth	0	0	0.00	183	301	0.61	0	0	0.00	525	777	0.68	0	0	0.00	461	602	0.77
Lincoln	47	63	0.75	196	165	1.19	200	770	0.26	0	0	0.00	0	0	0.00	491	437	1.12
Linn	0	0	0.00	47	108	0.44	0	0	0.00	0	0	0.00	0	0	0.00	115	80	1.44
Logan	0	0	0.00	3,919	2,826	1.39	0	0	0.00	55	30	1.83	0	0	0.00	5,908	5,943	0.99
Lyon	19	65	0.29	0	0	0.00	0	0	0.00	180	181	0.99	0	0	0.00	2	7	0.29
Marion	0	0	0.00	916	924	0.99	0	0	0.00	376	519	0.72	0	0	0.00	1,157	1,715	0.67
Marshall	12	100	0.12	1,495	1,544	0.97	0	0	0.00	192	359	0.53	0	0	0.00	530	1,129	0.47
McPherson	83	135	0.61	15,424	12,485	1.24	435	417	1.04	7,132	7,081	1.01	7	130	0.05	15,949	15,852	1.01
Meade	897	465	1.93	84,372	44,000	1.92	731	595	1.23	5,871	3,393	1.73	4,118	2,524	1.63	111,116	74,703	1.49
Miami	0	0	0.00	29	120	0.24	0	0	0.00	26	30	0.87	0	0	0.00	163	177	0.92
Mitchell	280	458	0.61	4,052	4,118	0.98	30	19	1.58	1,063	1,032	1.03	0	0	0.00	2,069	2,080	0.99
Montgomery	0	0	0.00	45	195	0.23	0	0	0.00	86	750	0.11	0	0	0.00	201	462	0.44
Morris	0	0	0.00	101	206	0.49	0	0	0.00	35	147	0.24	0	0	0.00	0	0	0.00
Morton	306	73	4.19	15,233	10,431	1.46	179	220	0.81	0	0	0.00	1,706	2,701	0.63	42,399	33,505	1.27
Nemaha	0	0	0.00	191	467	0.41	0	0	0.00	49	130	0.38	0	0	0.00	156	160	0.98
Neosho	0	0	0.00	0	0	0.00	0	0	0.00	33	84	0.39	0	0	0.00	40	40	1.00
Ness	21	30	0.70	1,536	1,225	1.25	290	384	0.76	82	114	0.72	187	395	0.47	2,589	2,471	1.05
Norton	487	384	1.27	7,262	5,341	1.36	34	91	0.37	1,752	1,709	1.03	79	80	0.99	5,120	4,595	1.11
Osage	0	0	0.00	62	136	0.46	0	0	0.00	77	144	0.53	0	0	0.00	74	95	0.78
Osborne	5	20	0.25	1,793	1,307	1.37	39	21	1.86	1,013	825	1.23	0	0	0.00	2,026	1,809	1.12
Ottawa	5	30	0.17	712	795	0.90	30	65	0.46	1,251	1,779	0.70	0	0	0.00	1,833	2,297	0.80
Pawnee	6,161	5,287	1.17	26,788	21,595	1.24	2,906	2,641	1.10	13,571	10,894	1.25	3,575	5,329	0.67	33,960	29,236	1.16
Phillips	327	309	1.06	3,925	3,401	1.15	0	0	0.00	1,065	860	1.24	0	0	0.00	3,160	2,741	1.15
Pottawatomie	6	18	0.33	4,493	6,073	0.74	0	0	0.00	3,026	4,280	0.71	0	0	0.00	5,110	7,502	0.68
Pratt	4,633	3,288	1.41	57,461	42,347	1.36	1,571	1,310	1.20	12,729	9,041	1.41	1,541	2,187	0.70	31,550	26,730	1.18
Rawlins	2,888	2,249	1.28	14,074	9,933	1.42	279	289	0.97	1,101	938	1.17	180	360	0.50	6,646	5,599	1.19
Reno	1,037	852	1.22	26,611	20,468	1.30	2,701	2,654	1.02	16,052	13,044	1.23	1,698	1,730	0.98	22,087	19,463	1.13
Republic	250	575	0.43	12,427	12,503	0.99	2	26	0.08	4,523	5,442	0.83	97	204	0.48	10,705	12,387	0.86
Rice	420	283	1.48	14,777	11,350	1.30	366	213	1.72	5,852	4,939	1.18	167	163	1.02	6,559	5,243	1.25

**TABLE 5**  
**WATER USE, ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY CROP AND COUNTY**  
**KANSAS, 2012**

County	Alfalfa			Corn			Grain Sorghum			Soybeans			Wheat			Other or Multiple Crops <sup>a/</sup>		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Riley	118	155	0.76	1,066	1,815	0.59	75	100	0.75	1,087	1,666	0.65	0	0	0.00	1,204	1,559	0.77
Rooks	677	493	1.37	539	462	1.17	62	125	0.50	127	228	0.56	0	0	0.00	951	788	1.21
Rush	974	767	1.27	2,465	1,972	1.25	869	1,064	0.82	1,105	1,013	1.09	15	159	0.09	7,901	6,685	1.18
Russell	0	0	0.00	0	0	0.00	14	10	1.40	0	0	0.00	0	0	0.00	4	6	0.67
Saline	413	373	1.11	1,118	963	1.16	136	138	0.99	1,193	1,254	0.95	0	0	0.00	2,267	2,126	1.07
Scott	742	435	1.71	11,038	8,932	1.24	498	352	1.41	369	133	2.77	291	336	0.87	40,203	38,941	1.03
Sedgwick	722	589	1.23	16,550	15,519	1.07	251	346	0.73	13,573	12,574	1.08	301	633	0.48	14,667	13,209	1.11
Seward	3,489	1,894	1.84	59,981	33,406	1.80	1,004	871	1.15	2,723	1,604	1.70	4,702	4,060	1.16	117,543	83,989	1.40
Shawnee	0	0	0.00	6,857	9,143	0.75	23	30	0.77	2,531	3,681	0.69	0	0	0.00	2,926	4,171	0.70
Sheridan	1,334	1,225	1.09	52,517	39,425	1.33	511	932	0.55	5,705	4,370	1.31	127	212	0.60	38,746	32,199	1.20
Sherman	1,736	1,234	1.41	122,246	75,728	1.61	200	157	1.27	4,000	2,376	1.68	1,241	1,465	0.85	44,460	34,614	1.28
Smith	263	202	1.30	1,642	1,986	0.83	94	81	1.16	179	267	0.67	32	90	0.36	1,014	1,187	0.85
Stafford	4,197	3,143	1.34	41,892	29,472	1.42	567	474	1.20	26,759	18,845	1.42	2,701	4,812	0.56	32,776	26,384	1.24
Stanton	0	0	0.00	29,315	17,838	1.64	126	122	1.03	50	240	0.21	1,867	2,095	0.89	98,288	80,346	1.22
Stevens	2,029	1,012	2.00	110,224	65,485	1.68	497	438	1.13	2,994	1,776	1.69	5,017	5,573	0.90	142,069	95,726	1.48
Sumner	0	0	0.00	4,914	4,531	1.08	0	0	0.00	4,436	3,885	1.14	0	0	0.00	2,115	1,987	1.06
Thomas	389	165	2.36	73,951	48,369	1.53	194	240	0.81	6,462	4,472	1.44	944	1,083	0.87	53,344	45,900	1.16
Trego	403	355	1.14	1,940	1,520	1.28	705	580	1.22	1,022	818	1.25	28	11	2.55	2,693	1,948	1.38
Wabaunsee	42	66	0.64	2,984	3,852	0.77	0	0	0.00	1,968	2,618	0.75	0	0	0.00	1,277	1,986	0.64
Wallace	33	7	4.71	35,385	22,258	1.59	243	245	0.99	0	0	0.00	907	1,400	0.65	31,951	26,872	1.19
Washington	0	0	0.00	4,540	6,502	0.70	64	112	0.57	1,419	1,981	0.72	0	0	0.00	3,098	4,271	0.73
Wichita	315	245	1.29	11,650	9,722	1.20	379	446	0.85	0	0	0.00	923	1,875	0.49	51,287	53,507	0.96
Wilson	0	0	0.00	247	671	0.37	0	0	0.00	315	455	0.69	0	0	0.00	224	464	0.48
Woodson	0	0	0.00	0	0	0.00	0	0	0.00	73	114	0.64	0	0	0.00	0	0	0.00
Wyandotte	0	0	0.00	187	188	0.99	0	0	0.00	167	232	0.72	0	0	0.00	319	200	1.60
<b>State Total</b>	<b>228,148</b>	<b>133,064</b>	<b>1.71</b>	<b>1,546,064</b>	<b>1,045,442</b>	<b>1.48</b>	<b>42,350</b>	<b>42,155</b>	<b>1.00</b>	<b>252,357</b>	<b>211,772</b>	<b>1.19</b>	<b>80,148</b>	<b>90,789</b>	<b>0.88</b>	<b>1,858,541</b>	<b>1,510,309</b>	<b>1.23</b>

<sup>a/</sup> Other includes irrigated oats, barley, rye, dry beans, sunflowers, pasture, turf grass, cotton, grapes, other unspecified crops, golf courses, truck farms, orchards, and nurseries. Multiple crops are reported combinations of irrigated alfalfa, corn, grain sorghum, soybeans, and other crops.

**TABLE 6**  
**ESTIMATED NUMBER OF ACRES IRRIGATED BY CROP AND REGIONAL LOCATION <sup>a/</sup>**  
**KANSAS, 2012**

Regional Location	Alfalfa	Corn	Grain Sorghum	Soybeans	Wheat	Other	Total
<b>Western Kansas</b>							
GMD No. 1	2,485	129,963	6,156	3,500	50,596	5,132	197,832
GMD No. 3	157,565	773,806	79,100	60,742	294,849	55,960	1,422,022
GMD No. 4	8,151	285,020	4,573	40,393	30,863	17,342	386,342
Remainder	16,150	51,547	7,138	8,495	15,256	9,654	108,240
<b>Central Kansas</b>							
GMD No. 2	2,330	65,303	5,030	50,408	8,390	4,646	136,107
GMD No. 5	23,817	236,892	19,753	103,847	49,840	20,923	455,072
Remainder	8,810	122,867	10,669	80,574	12,255	12,590	247,765
<b>Eastern Kansas</b>							
All Eastern KS	479	42,826	65	28,981	207	7,593	80,151
<b>State Total</b>	<b>219,787</b>	<b>1,708,224</b>	<b>132,484</b>	<b>376,940</b>	<b>462,256</b>	<b>133,840</b>	<b>3,033,531</b>

<sup>a/</sup> Figures may not add to totals due to independent rounding. The estimated number of acres of each type of crop was determined by adding single-crop acreages to prorated multiple and double-crop acreages. Acres reported as combinations of multiple specified crops were divided equally among the number of crops indicated. Unspecified crop acres were assigned to major crop and other types in the proportion that these crops were specified on single-crop and specified multiple-crop acres. Double-crop acres were assigned to 20% corn, 15% grain sorghum, 20% soybeans, 40% wheat, and 5% other.



**TABLE 7**  
**ESTIMATED NUMBER OF ACRES IRRIGATED BY CROP AND COUNTY <sup>a/</sup>**  
**KANSAS, 2012**

<b>County</b>	<b>Alfalfa</b>	<b>Corn</b>	<b>Grain Sorghum</b>	<b>Soybeans</b>	<b>Wheat</b>	<b>Other Crops</b>	<b>Total</b>
Allen	0	528	0	148	0	0	676
Anderson	0	767	0	747	0	164	1,678
Atchison	0	286	0	260	0	86	632
Barber	0	1,709	714	695	960	617	4,695
Barton	2,092	16,315	1,892	10,739	3,696	1,841	36,575
Bourbon	0	90	0	0	0	130	220
Brown	0	2,635	0	1,119	0	24	3,778
Butler	0	540	0	403	115	491	1,549
Chase	0	0	0	0	0	11	11
Chautauqua	0	0	0	0	0	20	20
Cherokee	0	416	0	461	0	15	892
Cheyenne	2,667	35,868	222	4,153	2,022	2,450	47,382
Clark	436	1,314	640	55	1,157	468	4,070
Clay	125	14,740	58	9,876	430	67	25,296
Cloud	200	12,808	425	10,322	278	28	24,061
Coffey	40	421	0	352	0	11	824
Comanche	754	1,712	1,505	290	1,037	1,526	6,824
Cowley	0	901	23	1,436	290	511	3,161
Crawford	0	1,102	0	928	65	90	2,185
Decatur	1,441	7,130	246	931	551	565	10,864
Dickinson	9	2,517	98	1,800	263	266	4,953
Doniphan	0	427	0	623	0	11	1,061
Douglas	0	1,101	0	1,210	0	253	2,564
Edwards	4,813	59,920	1,911	19,202	9,784	3,068	98,698
Elk	0	0	0	0	0	100	100
Ellis	410	622	173	282	155	313	1,955
Ellsworth	49	0	31	467	168	44	759
Finney	59,275	91,390	7,735	6,487	42,048	6,205	213,140
Ford	4,513	46,139	5,806	10,343	14,725	2,954	84,480
Franklin	0	882	0	339	0	375	1,596
Geary	307	2,581	0	1,341	183	613	5,025
Gove	116	15,624	235	1,224	2,129	1,671	20,999
Graham	750	7,888	1,319	3,074	1,392	261	14,684
Grant	7,021	51,592	6,457	620	32,470	8,318	106,478
Gray	18,356	83,163	10,439	7,040	36,454	6,233	161,685
Greeley	631	14,450	774	414	3,692	877	20,838
Greenwood	0	105	0	0	0	51	156
Hamilton	9,202	9,527	3,725	85	5,950	2,690	31,179
Harper	194	395	430	696	135	186	2,036
Harvey	332	19,053	583	14,805	1,420	529	36,722
Haskell	13,753	98,363	16,640	7,380	36,429	6,523	179,088
Hodgeman	601	15,509	1,597	792	6,520	1,710	26,729
Jackson	0	173	0	197	0	37	407
Jefferson	44	3,568	0	1,341	0	228	5,181
Jewell	165	2,411	0	1,353	51	35	4,015

**TABLE 7**  
**ESTIMATED NUMBER OF ACRES IRRIGATED BY CROP AND COUNTY <sup>a/</sup>**  
**KANSAS, 2012**

<b>County</b>	<b>Alfalfa</b>	<b>Corn</b>	<b>Grain Sorghum</b>	<b>Soybeans</b>	<b>Wheat</b>	<b>Other Crops</b>	<b>Total</b>
Johnson	40	0	0	284	0	3,365	3,689
Kearny	32,546	39,175	3,170	3,191	13,840	3,848	95,770
Kingman	0	7,498	1,216	3,726	2,926	967	16,333
Kiowa	2,751	29,793	6,337	8,124	3,612	2,222	52,839
Labette	0	110	0	360	0	38	508
Lane	0	10,139	1,196	1,299	5,057	186	17,877
Leavenworth	0	474	0	950	0	257	1,681
Lincoln	154	381	770	0	125	5	1,435
Linn	0	108	0	0	0	80	188
Logan	161	5,333	69	508	1,621	1,107	8,799
Lyon	65	0	0	181	0	7	253
Marion	0	1,580	0	1,175	79	324	3,158
Marshall	108	2,124	0	850	0	51	3,133
McPherson	455	19,014	926	13,480	1,761	464	36,100
Meade	1,668	84,781	5,621	7,325	24,035	2,250	125,680
Miami	0	120	0	30	0	177	327
Mitchell	471	4,948	108	1,607	61	512	7,707
Montgomery	0	335	0	890	0	182	1,407
Morris	0	206	0	147	0	0	353
Morton	273	25,416	3,629	182	16,181	1,249	46,930
Nemaha	0	467	0	130	0	160	757
Neosho	0	0	0	84	0	40	124
Ness	281	1,888	748	334	1,078	290	4,619
Norton	749	7,391	203	3,132	438	288	12,201
Osage	0	136	0	144	0	95	375
Osborne	137	1,920	228	1,513	0	185	3,983
Ottawa	60	1,621	69	2,837	304	76	4,967
Pawnee	6,809	30,315	5,231	18,960	12,017	1,651	74,983
Phillips	614	4,844	0	1,848	0	6	7,312
Pottawatomie	110	9,672	13	7,626	57	395	17,873
Pratt	3,755	49,183	2,975	13,317	8,065	7,609	84,904
Rawlins	2,792	12,167	414	1,667	1,325	1,002	19,367
Reno	1,420	25,279	4,475	18,209	6,057	2,770	58,210
Republic	1,103	18,031	119	10,797	861	226	31,137
Rice	403	12,703	410	6,500	1,662	515	22,193
Riley	157	2,263	101	2,112	0	662	5,295
Rooks	641	548	173	274	230	230	2,096
Rush	1,166	4,183	2,176	2,855	641	640	11,661
Russell	0	0	10	0	0	6	16
Saline	515	1,320	423	1,809	144	643	4,854
Scott	935	30,977	2,588	2,252	11,395	983	49,130
Sedgwick	827	18,803	754	16,500	2,167	3,820	42,871
Seward	5,041	70,473	7,382	7,701	25,779	9,448	125,824
Shawnee	0	11,015	31	5,384	0	595	17,025
Sheridan	2,603	54,390	1,821	13,637	4,184	1,729	78,364

**TABLE 7**  
**ESTIMATED NUMBER OF ACRES IRRIGATED BY CROP AND COUNTY <sup>a/</sup>**  
**KANSAS, 2012**

County	Alfalfa	Corn	Grain Sorghum	Soybeans	Wheat	Other Crops	Total
Sherman	1,882	92,515	349	3,992	9,459	7,377	115,574
Smith	281	2,518	82	812	91	29	3,813
Stafford	4,211	37,292	1,467	25,357	11,185	3,617	83,129
Stanton	677	59,784	8,797	974	28,544	1,865	100,641
Stevens	2,527	122,740	2,849	6,305	27,138	8,451	170,010
Sumner	79	5,203	0	4,575	117	430	10,404
Thomas	638	71,052	1,119	13,652	10,233	3,535	100,229
Trego	402	2,011	749	1,211	319	540	5,232
Wabaunsee	73	4,796	19	3,403	83	148	8,522
Wallace	146	38,161	896	0	8,755	2,823	50,781
Washington	12	8,254	370	3,933	40	258	12,867
Wichita	1,092	37,756	1,516	236	24,085	1,111	65,796
Wilson	0	890	0	674	0	27	1,591
Woodson	0	0	0	114	0	0	114
Wyandotte	0	201	0	248	0	171	620

<sup>a/</sup> The estimated number of acres of each type of crop was determined by adding single-crop acreages to prorated multiple and double-crop acreages. Acres reported as combinations of multiple specified crops were divided equally among the number of crops indicated. Unspecified crop acres were assigned to major crop and other types in the proportion that these crops were specified on single-crop and specified multiple-crop acres. Double-crop acres were assigned to 20% corn, 15% grain sorghum, 20% soybeans, 40% wheat, and 5% other. State totals by crop type not shown on county table due to rounding error. See Table 6 for State totals of estimated acres by crop type.

**TABLE 8**  
**WATER USE , ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY TYPE OF IRRIGATION SYSTEM BY REGIONAL LOCATION**  
**KANSAS, 2012**

Regional Location	Flood			Center Pivot			Center Pivot with Drop Nozzles			Other Sprinkler			Combination Center Pivot and Flood			Subsurface Drip and Comb. Drip and Other			Other or Unspecified		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
<b>Western Kansas</b>																					
GMD No. 1	12,641	11,024	1.15	11,909	12,410	0.96	181,788	157,401	1.15	244	275	0.89	18,825	15,318	1.23	1,440	1,034	1.39	521	370	1.41
GMD No. 3	32,051	22,869	1.40	238,144	163,599	1.46	1,589,460	1,077,096	1.48	3,429	2,420	1.42	196,837	145,234	1.36	15,751	10,001	1.57	1,438	802	1.79
GMD No. 4	2,032	1,256	1.62	37,637	27,229	1.38	481,118	344,111	1.40	2,090	1,377	1.52	11,195	8,937	1.25	4,493	2,918	1.54	363	515	0.70
Remainder	18,081	13,467	1.34	11,016	9,235	1.19	79,207	67,770	1.17	1,166	1,196	0.97	20,030	15,121	1.32	1,549	1,330	1.16	83	121	0.69
<b>Central Kansas</b>																					
GMD No. 2	18,600	15,574	1.19	13,637	12,338	1.11	103,913	90,503	1.15	2,041	1,909	1.07	9,048	8,083	1.12	7,426	7,430	1.00	334	270	1.24
GMD No. 5	15,863	12,234	1.30	47,819	38,520	1.24	498,261	387,637	1.29	790	847	0.93	9,932	9,039	1.10	7,368	6,493	1.13	336	302	1.11
Remainder	38,994	34,401	1.13	35,313	39,501	0.89	142,742	146,810	0.97	5,724	5,465	1.05	16,101	18,086	0.89	2,354	2,808	0.84	983	695	1.41
<b>Eastern Kansas</b>																					
All Eastern KS	6,860	7,958	0.86	12,500	21,448	0.58	26,121	39,585	0.66	5,827	5,775	1.01	3,477	4,619	0.75	408	470	0.87	298	295	1.01
<b>State Total</b>	<b>145,122</b>	<b>118,783</b>	<b>1.22</b>	<b>407,975</b>	<b>324,280</b>	<b>1.26</b>	<b>3,102,610</b>	<b>2,310,913</b>	<b>1.34</b>	<b>21,311</b>	<b>19,264</b>	<b>1.11</b>	<b>285,445</b>	<b>224,437</b>	<b>1.27</b>	<b>40,789</b>	<b>32,484</b>	<b>1.26</b>	<b>4,356</b>	<b>3,370</b>	<b>1.29</b>

**TABLE 9**  
**TOTAL WATER USE, ACRES IRRIGATED , AND PERCENT BY SYSTEM TYPE AND REGIONAL LOCATION**  
**KANSAS, 2012**

	Total Acres Irrigated	Percent of acres irrigated by system type						
		Flood	Center Pivot	Pivot with Drop Nozzles	Other Sprinkler	Comb. Pivot + Flood	Subsurface Drip and Comb. Drip + Other	Other or Unspecified
<b>Western Kansas</b>								
Western KS GMD No. 1	197,832	5.6%	6.3%	79.6%	0.1%	7.7%	0.5%	0.2%
Southwest KS GMD No. 3	1,422,021	1.6%	11.5%	75.7%	0.2%	10.2%	0.7%	0.1%
Northwest KS GMD No. 4	386,343	0.3%	7.0%	89.1%	0.4%	2.3%	0.8%	0.1%
Remainder of Western KS	108,240	12.4%	8.5%	62.6%	1.1%	14.0%	1.2%	0.1%
<b>Central Kansas</b>								
Equus Beds GMD No. 2	136,107	11.4%	9.1%	66.5%	1.4%	5.9%	5.5%	0.2%
Big Bend GMD No. 5	455,072	2.7%	8.5%	85.2%	0.2%	2.0%	1.4%	0.1%
Remainder of Central KS	247,766	13.9%	15.9%	59.3%	2.2%	7.3%	1.1%	0.3%
<b>Eastern Kansas</b>								
All Eastern Kansas	80,150	9.9%	26.8%	49.4%	7.2%	5.8%	0.6%	0.4%
<b>State Total</b>	<b>3,033,531</b>	<b>3.9%</b>	<b>10.7%</b>	<b>76.2%</b>	<b>0.6%</b>	<b>7.4%</b>	<b>1.1%</b>	<b>0.1%</b>
<b>Percent of water use by system type</b>								
	Total Water Use (AF)	Flood	Center Pivot	Pivot with Drop Nozzles	Other Sprinkler	Comb. Pivot + Flood	Subsurface Drip and Comb. Drip + Other	Other or Unspecified
<b>Western Kansas</b>								
Western KS GMD No. 1	227,368	5.6%	5.2%	80.0%	0.1%	8.3%	0.6%	0.2%
Southwest KS GMD No. 3	2,077,110	1.5%	11.5%	76.5%	0.2%	9.5%	0.8%	0.1%
Northwest KS GMD No. 4	538,928	0.4%	7.0%	89.3%	0.4%	2.1%	0.8%	0.1%
Remainder of Western KS	131,132	13.8%	8.4%	60.4%	0.9%	15.3%	1.2%	0.1%
<b>Central Kansas</b>								
Equus Beds GMD No. 2	154,999	12.0%	8.8%	67.0%	1.3%	5.8%	4.8%	0.2%
Big Bend GMD No. 5	580,369	2.7%	8.2%	85.9%	0.1%	1.7%	1.3%	0.1%
Remainder of Central KS	242,211	16.1%	14.6%	58.9%	2.4%	6.6%	1.0%	0.4%
<b>Eastern Kansas</b>								
All Eastern Kansas	55,491	12.4%	22.5%	47.1%	10.5%	6.3%	0.7%	0.5%
<b>State Total</b>	<b>4,007,608</b>	<b>3.6%</b>	<b>10.2%</b>	<b>77.4%</b>	<b>0.5%</b>	<b>7.1%</b>	<b>1.0%</b>	<b>0.1%</b>

**TABLE 10**  
**WATER USE , ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY TYPE OF IRRIGATION SYSTEM BY COUNTY**  
**KANSAS, 2012**

County	Flood			Center Pivot			Center Pivot with Drop Nozzles			Other Sprinkler			Combination Center Pivot and Flood			Subsurface Drip and Comb. Drip & Other			Other or Unspecified		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Allen	124	295	0.42	41	140	0.29	169	240	0.70	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Anderson	99	78	1.27	53	140	0.38	601	1,460	0.41	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Atchison	85	130	0.65	128	206	0.62	41	70	0.59	76	86	0.88	0	0	0.00	112	140	0.80	0	0	0.00
Barber	184	112	1.64	34	38	0.89	5,752	4,538	1.27	5	7	0.71	0	0	0.00	0	0	0.00	0	0	0.00
Barton	7,689	5,990	1.28	2,466	2,048	1.20	31,565	23,982	1.32	249	213	1.17	3,516	2,920	1.20	1,554	1,422	1.09	0	0	0.00
Bourbon	0	0	0.00	30	90	0.33	0	0	0.00	8	130	0.06	0	0	0.00	0	0	0.00	0	0	0.00
Brown	0	0	0.00	646	1,451	0.45	1,487	2,302	0.65	15	20	0.75	0	0	0.00	10	4	2.50	0	0	0.00
Butler	0	0	0.00	0	0	0.00	748	1,011	0.74	386	437	0.88	0	0	0.00	48	50	0.96	43	51	0.84
Chase	0	0	0.00	1	11	0.09	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Chautauqua	0	0	0.00	11	20	0.55	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Cherokee	0	0	0.00	43	133	0.32	0	0	0.00	51	180	0.28	365	579	0.63	0	0	0.00	0	0	0.00
Cheyenne	242	123	1.97	5,861	3,939	1.49	64,457	41,541	1.55	375	294	1.28	1,319	1,009	1.31	482	475	1.01	0	0	0.00
Clark	254	185	1.37	726	646	1.12	3,955	3,211	1.23	1	28	0.04	0	0	0.00	0	0	0.00	0	0	0.00
Clay	3,804	3,636	1.05	2,230	2,556	0.87	12,512	15,514	0.81	76	61	1.25	2,613	2,952	0.89	388	577	0.67	0	0	0.00
Cloud	4,027	3,523	1.14	1,320	1,896	0.70	12,538	14,973	0.84	86	114	0.75	2,872	3,429	0.84	108	126	0.86	0	0	0.00
Coffey	30	48	0.63	14	40	0.35	312	724	0.43	8	11	0.73	0	0	0.00	0	0	0.00	0	0	0.00
Comanche	231	120	1.93	1,519	1,130	1.34	7,050	5,565	1.27	17	10	1.70	0	0	0.00	0	0	0.00	0	0	0.00
Cowley	0	0	0.00	586	746	0.79	1,787	2,100	0.85	230	231	1.00	0	0	0.00	0	0	0.00	15	84	0.18
Crawford	0	0	0.00	421	1,302	0.32	296	792	0.37	69	90	0.77	0	0	0.00	0	0	0.00	0	0	0.00
Decatur	727	478	1.52	1,915	1,236	1.55	10,927	8,373	1.31	220	252	0.87	773	466	1.66	120	60	2.00	0	0	0.00
Dickinson	223	154	1.45	1,213	1,155	1.05	3,013	3,397	0.89	136	123	1.11	107	119	0.90	0	5	0.00	0	0	0.00
Doniphan	0	0	0.00	177	414	0.43	372	636	0.58	0	0	0.00	0	0	0.00	7	11	0.64	0	0	0.00
Douglas	0	0	0.00	1,004	1,451	0.69	853	948	0.90	42	122	0.34	0	0	0.00	10	43	0.23	0	0	0.00
Edwards	520	419	1.24	7,435	6,281	1.18	117,734	90,915	1.29	149	292	0.51	285	335	0.85	554	435	1.27	2	21	0.10
Elk	0	0	0.00	0	0	0.00	0	0	0.00	1	100	0.01	0	0	0.00	0	0	0.00	0	0	0.00
Ellis	499	379	1.32	321	352	0.91	896	727	1.23	340	278	1.22	174	213	0.82	0	0	0.00	4	5	0.80
Ellsworth	60	62	0.97	110	230	0.48	286	430	0.67	20	35	0.57	0	0	0.00	0	0	0.00	0	0	0.00
Finney	13,234	8,439	1.57	34,809	22,138	1.57	261,627	163,794	1.60	1,699	1,184	1.43	26,661	16,634	1.60	1,389	950	1.46	0	0	0.00

**TABLE 10**  
**WATER USE , ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY TYPE OF IRRIGATION SYSTEM BY COUNTY**  
**KANSAS, 2012**

County	Flood			Center Pivot			Center Pivot with Drop Nozzles			Other Sprinkler			Combination Center Pivot and Flood			Subsurface Drip and Comb. Drip & Other			Other or Unspecified		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Ford	1,297	1,101	1.18	7,967	6,736	1.18	94,949	73,760	1.29	439	340	1.29	1,695	1,642	1.03	1,139	883	1.29	6	18	0.33
Franklin	11	22	0.50	341	717	0.48	203	557	0.36	598	300	1.99	0	0	0.00	0	0	0.00	0	0	0.00
Geary	309	405	0.76	219	312	0.70	2,711	3,521	0.77	163	112	1.46	206	216	0.95	96	100	0.96	753	360	2.09
Gove	967	900	1.07	1,772	1,104	1.61	20,155	16,968	1.19	210	234	0.90	2,347	1,583	1.48	311	175	1.78	49	35	1.40
Graham	0	0	0.00	4,751	3,447	1.38	13,308	10,679	1.25	4	54	0.07	870	503	1.73	0	0	0.00	0	0	0.00
Grant	2,267	2,118	1.07	21,525	15,156	1.42	121,342	79,002	1.54	0	0	0.00	10,085	9,977	1.01	363	170	2.14	89	54	1.65
Gray	2,395	2,335	1.03	46,943	33,517	1.40	159,398	120,671	1.32	66	65	1.02	6,623	3,655	1.81	2,089	1,442	1.45	0	0	0.00
Greeley	200	92	2.17	2,081	1,548	1.34	23,213	18,998	1.22	99	80	1.24	12	120	0.10	0	0	0.00	0	0	0.00
Greenwood	87	105	0.83	15	43	0.35	0	0	0.00	5	8	0.63	0	0	0.00	0	0	0.00	0	0	0.00
Hamilton	3,754	2,697	1.39	3,246	2,015	1.61	29,899	21,383	1.40	2	42	0.05	8,374	5,042	1.66	0	0	0.00	0	0	0.00
Harper	9	34	0.26	60	99	0.61	1,950	1,835	1.06	21	68	0.31	0	0	0.00	0	0	0.00	0	0	0.00
Harvey	5,899	5,087	1.16	2,010	1,754	1.15	29,352	25,786	1.14	103	331	0.31	1,999	1,868	1.07	1,893	1,732	1.09	196	165	1.19
Haskell	1,707	1,815	0.94	19,942	14,647	1.36	166,443	124,136	1.34	158	89	1.78	40,271	35,774	1.13	3,345	2,497	1.34	236	130	1.82
Hodgeman	4,990	3,887	1.28	2,301	2,019	1.14	13,159	13,480	0.98	68	25	2.72	7,084	6,837	1.04	476	481	0.99	0	0	0.00
Jackson	35	76	0.46	0	0	0.00	167	296	0.56	19	35	0.54	0	0	0.00	0	0	0.00	0	0	0.00
Jefferson	386	325	1.19	947	1,258	0.75	2,338	3,089	0.76	160	249	0.64	210	260	0.81	0	0	0.00	0	0	0.00
Jewell	527	574	0.92	1,219	1,609	0.76	1,026	1,168	0.88	0	0	0.00	447	663	0.67	0	0	0.00	0	0	0.00
Johnson	6	2	3.00	1,005	1,549	0.65	0	0	0.00	2,891	2,010	1.44	0	0	0.00	155	70	2.21	142	58	2.45
Kearny	4,413	3,297	1.34	13,281	7,388	1.80	118,778	71,684	1.66	35	32	1.09	21,480	12,873	1.67	237	140	1.69	575	356	1.62
Kingman	0	0	0.00	4,552	3,463	1.31	16,698	12,863	1.30	12	6	2.00	0	0	0.00	0	0	0.00	0	0	0.00
Kiowa	292	134	2.18	6,757	5,322	1.27	61,834	46,627	1.33	22	75	0.29	518	512	1.01	246	170	1.45	0	0	0.00
Labette			0.00	91	238	0.38	85	220	0.39	15	50	0.30	0	0	0.00	0	0	0.00	0	0	0.00
Lane	2,303	1,667	1.38	667	701	0.95	14,288	12,095	1.18	0	0	0.00	4,967	2,719	1.83	813	696	1.17	0	0	0.00
Leavenworth			0.00	470	778	0.60	493	667	0.74	206	235	0.88	0	0	0.00	0	0	0.00	0	0	0.00
Lincoln	34	35	0.97	0	0	0.00	891	1,395	0.64	9	5	1.80	0	0	0.00	0	0	0.00	0	0	0.00
Linn			0.00	45	30	1.50	47	108	0.44	70	50	1.40	0	0	0.00	0	0	0.00	0	0	0.00
Logan	116	81	1.43	864	835	1.03	8,510	7,353	1.16	20	12	1.67	0	0	0.00	9	3	3.00	363	515	0.70
Lyon	0	0	0.00			0.00	180	181	0.99	21	72	0.29	0	0	0.00	0	0	0.00	0	0	0.00

**TABLE 10**  
**WATER USE , ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY TYPE OF IRRIGATION SYSTEM BY COUNTY**  
**KANSAS, 2012**

County	Flood			Center Pivot			Center Pivot with Drop Nozzles			Other Sprinkler			Combination Center Pivot and Flood			Subsurface Drip and Comb. Drip & Other			Other or Unspecified		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Marion	179	196	0.91	1,400	1,711	0.82	669	927	0.72	105	108	0.97	0	0	0.00	96	216	0.44	0	0	0.00
Marshall	59	66	0.89	326	653	0.50	1,777	2,366	0.75	34	27	1.26	0	0	0.00	0	0	0.00	33	20	1.65
McPherson	7,533	6,310	1.19	2,889	3,137	0.92	19,246	17,317	1.11	744	715	1.04	3,388	3,391	1.00	5,206	5,210	1.00	24	20	1.20
Meade	3,753	1,985	1.89	12,537	7,630	1.64	143,927	85,763	1.68	31	22	1.41	45,973	29,826	1.54	884	454	1.95	0	0	0.00
Miami			0.00	29	120	0.24	52	60	0.87	137	147	0.93	0	0	0.00	0	0	0.00	0	0	0.00
Mitchell	2,506	1,917	1.31	139	152	0.91	4,222	4,866	0.87	0	0	0.00	627	772	0.81	0	0	0.00	0	0	0.00
Montgomery			0.00	53	490	0.11	183	735	0.25	96	182	0.53	0	0	0.00	0	0	0.00	0	0	0.00
Morris	59	161	0.37	26	72	0.36	51	120	0.43	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Morton	523	331	1.58	10,531	8,337	1.26	43,926	34,372	1.28	302	196	1.54	3,919	3,350	1.17	622	344	1.81	0	0	0.00
Nemaha			0.00	144	337	0.43	96	260	0.37	119	138	0.86	0	0	0.00	0	0	0.00	37	22	1.68
Neosho			0.00			0.00	33	84	0.39	40	40	1.00	0	0	0.00	0	0	0.00	0	0	0.00
Ness	2,066	1,772	1.17	401	364	1.10	1,698	2,052	0.83	0	0	0.00	112	84	1.33	425	344	1.24	3	3	1.00
Norton	4,562	3,046	1.50	1,609	1,327	1.21	6,895	6,511	1.06	162	68	2.38	1,506	1,248	1.21	0	0	0.00	0	0	0.00
Osage	24	41	0.59	0	0	0.00	116	240	0.48	73	90	0.81	0	0	0.00	0	0	0.00	0	4	0.00
Osborne	3,080	2,255	1.37	147	130	1.13	1,316	1,277	1.03	1	9	0.11	193	172	1.12	139	139	1.00	0	0	0.00
Ottawa	228	274	0.83	1,261	1,425	0.88	2,075	2,866	0.72	56	123	0.46	209	276	0.76	0	0	0.00	2	2	1.00
Pawnee	5,522	4,779	1.16	2,625	2,637	1.00	71,280	60,174	1.18	177	125	1.42	4,833	4,904	0.99	2,524	2,363	1.07	0	0	0.00
Phillips	1,966	1,421	1.38	355	416	0.85	5,216	4,760	1.10	21	25	0.84	594	390	1.52	322	294	1.10	3	5	0.60
Pottawatomie	1,682	2,280	0.74	2,497	3,631	0.69	6,494	9,257	0.70	223	321	0.69	1,675	2,284	0.73	64	100	0.64	0	0	0.00
Pratt	544	219	2.48	13,527	10,816	1.25	92,502	71,417	1.30	67	83	0.81	405	293	1.38	2,106	1,794	1.17	334	281	1.19
Rawlins	163	118	1.38	1,421	1,272	1.12	22,699	17,056	1.33	513	598	0.86	372	324	1.15	0	0	0.00	0	0	0.00
Reno	1,903	1,557	1.22	9,436	7,795	1.21	56,265	46,490	1.21	597	592	1.01	1,439	1,168	1.23	503	569	0.88	43	40	1.08
Republic	6,424	5,730	1.12	8,059	9,403	0.86	9,582	11,870	0.81	0	0	0.00	3,800	3,966	0.96	139	168	0.83	0	0	0.00
Rice	589	410	1.44	3,560	2,676	1.33	23,853	19,004	1.26	92	68	1.35	47	33	1.42	0	0	0.00	0	0	0.00
Riley	797	967	0.82	459	683	0.67	1,843	2,943	0.63	419	632	0.66	0	0	0.00	32	70	0.46	0	0	0.00
Rooks	85	160	0.53	158	225	0.70	2,113	1,711	1.23	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Rush	6,558	5,406	1.21	605	568	1.07	4,544	4,286	1.06	0	0	0.00	1,467	1,263	1.16	155	137	1.13	0	0	0.00
Russell	0	0	0.00	0	0	0.00	0	0	0.00	4	6	0.67	0	0	0.00	0	0	0.00	14	10	1.40



**TABLE 10**  
**WATER USE , ACRES IRRIGATED, AND AVERAGE APPLICATION RATE BY TYPE OF IRRIGATION SYSTEM BY COUNTY**  
**KANSAS, 2012**

County	Flood			Center Pivot			Center Pivot with Drop Nozzles			Other Sprinkler			Combination Center Pivot and Flood			Subsurface Drip and Comb. Drip & Other			Other or Unspecified		
	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A	Water Use (AF)	Acres Irrig.	AF/A
Saline	862	675	1.28	127	183	0.69	2,838	2,789	1.02	625	448	1.40	419	490	0.86	252	229	1.10	4	40	0.10
Scott	5,351	4,826	1.11	2,418	2,636	0.92	36,618	33,259	1.10	66	50	1.32	7,908	7,826	1.01	780	532	1.47	0	0	0.00
Sedgwick	6,702	6,099	1.10	5,127	5,233	0.98	27,666	26,048	1.06	3,362	2,585	1.30	2,843	2,428	1.17	202	334	0.60	162	143	1.13
Seward	283	274	1.03	25,717	17,994	1.43	144,917	92,803	1.56	415	268	1.55	17,298	14,093	1.23	812	392	2.07	0	0	0.00
Shawnee	3,435	3,505	0.98	3,109	4,778	0.65	4,473	6,949	0.64	457	739	0.62	776	859	0.90	1	4	0.25	86	191	0.45
Sheridan	132	132	1.00	6,985	5,650	1.24	87,241	68,792	1.27	188	229	0.82	3,205	2,773	1.16	1,189	787	1.51	0	0	0.00
Sherman	1,435	824	1.74	9,846	6,492	1.52	158,243	105,424	1.50	1,138	515	2.21	2,036	1,669	1.22	1,185	650	1.82	0	0	0.00
Smith	1,083	942	1.15	422	740	0.57	1,217	1,366	0.89	25	79	0.32	328	567	0.58	95	79	1.20	54	40	1.35
Stafford	1,450	1,016	1.43	10,318	7,689	1.34	95,892	73,344	1.31	61	65	0.94	787	707	1.11	384	309	1.24	0	0	0.00
Stanton	847	528	1.60	10,390	8,435	1.23	100,821	77,405	1.30	104	65	1.60	15,068	12,724	1.18	2,416	1,484	1.63	0	0	0.00
Stevens	1,332	646	2.06	32,244	20,532	1.57	218,203	142,338	1.53	180	159	1.13	7,884	4,846	1.63	2,455	1,245	1.97	532	244	2.18
Sumner	0	0	0.00	385	213	1.81	10,742	9,773	1.10	104	103	1.01	128	111	1.15	106	203	0.52	0	0	0.00
Thomas	19	22	0.86	6,715	5,227	1.28	124,534	92,131	1.35	351	214	1.64	2,468	1,867	1.32	1,197	768	1.56	0	0	0.00
Trego	316	234	1.35	1,952	1,359	1.44	3,846	3,051	1.26	4	8	0.50	639	493	1.30	3	4	0.75	31	83	0.37
Wabaunsee	491	531	0.92	688	1,199	0.57	4,748	6,401	0.74	35	27	1.30	309	364	0.85	0	0	0.00	0	0	0.00
Wallace	438	287	1.53	1,588	2,212	0.72	62,366	45,642	1.37	0	0	0.00	3,606	2,271	1.59	0	0	0.00	521	370	1.41
Washington	1,080	1,051	1.03	3,692	5,453	0.68	3,441	5,255	0.65	71	57	1.25	837	1,050	0.80	0	0	0.00	0	0	0.00
Wichita	4,719	4,376	1.08	5,701	5,934	0.96	51,231	52,651	0.97	79	145	0.54	2,332	2,382	0.98	492	307	1.60	0	0	0.00
Wilson	306	454	0.67	88	121	0.73	162	528	0.31	39	116	0.34	142	273	0.52	49	98	0.50	0	0	0.00
Woodson	0	0	0.00	0	0	0.00	73	114	0.64	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00
Wyandotte	0	0	0.00	84	119	0.71	270	301	0.90	319	200	1.60	0	0	0.00	0	0	0.00	0	0	0.00
<b>State Total</b>	<b>145,122</b>	<b>118,783</b>	<b>1.22</b>	<b>407,975</b>	<b>324,280</b>	<b>1.26</b>	<b>3,102,610</b>	<b>2,310,913</b>	<b>1.34</b>	<b>21,311</b>	<b>19,264</b>	<b>1.11</b>	<b>285,445</b>	<b>224,437</b>	<b>1.27</b>	<b>40,789</b>	<b>32,484</b>	<b>1.26</b>	<b>4,356</b>	<b>3,370</b>	<b>1.29</b>