

**COMPARISON OF 2007 CENSUS
AND KFMA FARMS**

by

Michael R. Langemeier

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The author is a professor in the Department of Agricultural Economics – Kansas State University, Manhattan, Kansas 66506-4011.

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Introduction

Data from the Kansas Farm Management Association (KFMA) is frequently used for extension, research, and teaching purposes in the Department of Agricultural Economics at Kansas State University. When using KFMA data, it is often important to understand how KFMA data compares to data collected by the periodic United States Census of Agriculture (Census).

The purpose of this paper is to compare the size of farms in the Kansas Farm Management Association with farms represented in the 2007 Census. Farm size is measured using total acres operated and the market value of agricultural products sold. The primary data sources for the comparisons presented in this paper were the 2007 Census and the 2007 KFMA databank. Data from the 2002 Census and the 2002 KFMA databank were also used to make state level comparisons.

In addition to comparing the farm size of Census and KFMA farms, this paper estimates the percentage of total agricultural land and crop land in Kansas operated by farms participating in the KFMA program in 2007. The percentage of Census wheat acres operated and beef cows handled by KFMA farms is also presented in this paper.

Variable Definitions

KFMA data used in this paper represents the farms that processed whole-farm analysis data in 2002 or 2007.¹ Approximately 20% of the farms that participate in the KFMA program do not process a whole-farm summary in any given year. Data for these farms obviously could not be included in the comparisons.

¹ See Langemeier (2010) for a description of the variables represented in the annual KFMA databank.

The 2007 Census defined a farm as a business that would normally sell at least \$1,000 or more of agricultural products.² It is important to note that in terms of the Census, a farm did not actually have to have sales in 2007 to be considered a farm. Any business that could have potentially sold \$1,000 of agricultural products was included in the Census.

One of variables used in the discussion of size category comparisons below is the market value of agricultural products sold (referred to as sales in the comparisons below). This variable is one of the primary variables collected in the Census. Market value of agricultural products sold represents the gross market value before taxes and production expenses of all agricultural products sold in 2007 regardless of who received the payment. This variable includes sales by the operator, partner, and landlord of a farm, but does not include payments received for participation in federal farm programs or income from custom work and other agricultural services provided by the operator. The market value of crops, included in the market value of agricultural products sold, due to sales of stored crops, does not necessarily equal the value of crops produced in 2007.

Because the KFMA whole-farm analysis program focuses on operator income and does not include landlord income, it is not possible to compute the Census equivalent market value of agricultural products sold using KFMA data. Instead, a readily available variable, total cash farm receipts, is used to categorize KFMA farms by sales size categories. Total cash farm receipts include cash sales of crops, livestock, government payments, and income from miscellaneous sources such as custom work and patronage dividends. Given the fact that most KFMA farms rent, on a crop share basis, at least a

² The following web site contains the Census data and describes the variables examined in the Census: www.nass.usda.gov/census/.

portion of their land, total cash farm receipts is likely to be lower than the market value of agricultural products sold as defined by the Census.

Size comparisons between Census and KFMA farms are also made using total acres operated. Total acres operated included owned and rented acres. Because the sales figures between the Census and the KFMA program are not directly comparable, the discussion below will focus on total acre comparisons.

State Level Comparisons

Table 1 presents a comparison between Census farms and KFMA farms for both 2002 and 2007. In 2002, approximately 3.1% of the Census farms participated in the KFMA program and processed a whole-farm analysis. In 2007, this percentage declined to 2.4%. The average KFMA farm was considerably larger than the average Census farm. In 2007, the average KFMA farm had 1,921 acres while the average Census farm had only 707 acres. The percentage of total agricultural land reported in the Census that was operated by KFMA members was approximately 7.6% in 2002 and 6.5% in 2007. The percentage of crop land reported in the Census that was operated by KFMA members was approximately 7.2% in 2007, a decrease of 0.7% from 2002.

Because the average KFMA farm was larger than the average Census farm, the percentage of farms in the largest size categories that were KFMA members was substantially higher than the overall percentage of Census farms that were KFMA members. Less than 1.0% of the Census farms with total acres below 10 acres, with total acres between 10 and 50, or with total acres between 50 and 180 acres participated in the KFMA program and processed a whole-farm analysis in 2007. Only 1.0% of the Census farms with 180 to 500 acres participated in the KFMA program. In contrast,

approximately 8.7% and 9.3% of the Census farms with 1,000 to 2,000 acres and over 2,000 acres participated in the KFMA program in 2007. Approximately 8.8% and 11.4% of the Census farms with \$100,000 to \$500,000 in sales and over \$500,000 in sales participated in the KFMA program and processed an analysis in 2007.

In addition to comparing farm size, Table 1 presents information on winter wheat and beef cow production for Census and KFMA farms. A substantially higher percent of the KFMA farms have wheat. The percentage of KFMA farms with a beef cow operation was also higher (49%) than the percentage of Census farms with a beef cow operation (39%). Farms participating in the KFMA program operated approximately 9.0% of the wheat acres and handled approximately 5.1% of the beef cows in Kansas.

Association Level Comparisons

Table 2 presents a comparison between KFMA and Census farms for eastern Kansas.³ Approximately 2.1% of the Census farms in northeast Kansas and approximately 3.0% of the Census farms in southeast Kansas were KFMA members that processed a whole-farm analysis in 2007. The average KFMA farm, in terms of total acres operated, was over four times larger than the average Census farm in eastern Kansas. Approximately 8.3% and 12.9% of the acres in northeast and southeast Kansas, respectively, were operated by KFMA members. Approximately 14.0% of the Census farms with over 1,000 acres in northeast Kansas were KFMA members. For southeast Kansas, approximately 19.2% of the Census farms with over 1,000 acres were KFMA members. Approximately 11.2% and 20.4% of the Census farms in northeast and

³ This paper uses the six Kansas Farm Management Associations to depict regions within Kansas. For a graphical representation of the Association boundaries see the annual KFMA Profitlink Summary (Herbel and Langemeier, 2010). A list of the counties in each Association is provided in Tables 5-7.

southeast Kansas with sales above \$100,000 in 2007, respectively, were KFMA members.

Table 3 presents a comparison between KFMA and Census farms for central Kansas. Approximately 2.5% of the Census farms in north central Kansas and 3.0% of the Census farms in south central Kansas were KFMA members that processed a whole-farm analysis in 2007. Average KFMA farm size, in terms of total acres operated, was 2.4 times larger than the average Census farm in north central Kansas and 3.1 times larger than the average Census farm in south central Kansas. KFMA farms operated approximately 6.2% of the land in north central Kansas and approximately 9.1% of the land in south central Kansas. Approximately 8.3% of the Census farms with 1,000 or more acres in north central Kansas were KFMA members. For south central Kansas, approximately 12.5% of the farms with 1,000 or more acres were KFMA members. Approximately 8.3% and 13.6% of the Census farms in north central and south central Kansas with sales above \$100,000 in 2007, respectively, were KFMA members.

Table 4 presents a comparison between KFMA and Census farms for western Kansas. Approximately 2.1% of the Census farms in northwest Kansas and approximately 1.2% of the Census farms in southwest Kansas were KFMA members that processed a whole-farm analysis in 2007. The average KFMA farm, in terms of total acres operated, was 2.1 times larger than the average Census farm in northwest Kansas and 1.8 times larger than the average Census farm in southwest Kansas. KFMA farms operated approximately 4.5% of the land in northwest Kansas and approximately 2.1% of the land in southwest Kansas. Approximately 4.8% and 2.9% of the Census farms with 1,000 or more acres in northwest and southwest Kansas, respectively, were KFMA

members. The average market value of sales per farm for the Census was higher than the average market value of sales per farm for farms participating in the KFMA program in southwest Kansas. Moreover, the percentage of KFMA farms with over \$100,000 sales at 2.9% was lower in southwest Kansas than it was for any other region in the state. These phenomena are at least partially due to inclusion of large fed cattle feedlots in the Census information for counties in southwest Kansas. These large fed cattle feedlots have historically not participated in the KFMA program. It is also interesting to note that the percentage of farms with over \$100,000 in sales in northwest Kansas was lower than the percentages in central and eastern Kansas.

County Level Comparisons

Table 5 presents a comparison between KFMA and Census farms for counties in eastern Kansas. The percent columns represent the percentage of Census farms with KFMA databank information. Of the counties with over 10 farms with a KFMA whole-farm analysis in northeast Kansas, 20% or more of the Census farms with 1,000 or more acres in Brown, Douglas, and Shawnee are represented in the KFMA databank. For southeast Kansas, over 20% of the largest farms in Allen, Bourbon, Cowley, Crawford, Franklin, Linn, Miami, Montgomery, Neosho, and Woodson are represented in the KFMA databank. For many of the summaries processed by the KFMA, a county would need to have five or more farms in the KFMA databank before data for that county would be published. With this in mind, it is important to note the counties where this criterion is not met. Johnson and Wyandotte are the only counties in eastern Kansas that are represented by less than five farms in the KFMA databank.

Table 6 presents a comparison between KFMA and Census farms for counties in central Kansas. Of the counties with over 10 farms in north central Kansas, 20% or more of the Census farms with 1,000 or more acres in Geary are represented in the KFMA databank. For south central Kansas, over 20% of the largest farms in Pratt and Rice are represented in the KFMA databank. It is also noteworthy that Marion in north central Kansas and Rice in south central Kansas are represented by over 50 farms in the KFMA databank. Cloud and Russell in north central Kansas, on the other hand, are represented by less than five farms in the KFMA databank.

Table 7 presents a comparison between KFMA and Census farms for counties in western Kansas. None of the counties in western Kansas exhibited the phenomena of having 20% or more of the Census farms with 1,000 or more acres in the county represented in the KFMA databank. It is important to note that many of the counties in western Kansas are represented by less than five farms in the KFMA databank. In fact, there are numerous counties in western Kansas that do not contain a single KFMA farm.

Summary and Conclusions

This paper compared farms in the 2007 United States Census of Agriculture with farms that participated in the Kansas Farm Management Association program in 2007. Approximately 3.5% of the Census farms in Kansas participated in the KFMA program in 2007. In terms of processing a whole-farm analysis, approximately 2.4% of the Census farms processed a KFMA whole-farm analysis in 2007. The KFMA farms were on average larger than the Census farms so the percentage of Census farms that had 1,000 or more acres or sales above \$100,000 that participating in the KFMA program was substantially higher than the overall averages. Approximately 9.0% of the Census farms

with 1,000 or more acres participated in the KFMA program and processed a whole-farm analysis in 2007. Approximately 71% of the KFMA farms operated 1,000 or more acres in 2007. In contrast, only 19% of the Census farms operated 1,000 or more acres. Approximately 9.6% of the Census farms with over \$100,000 in sales participated in the KFMA program and processed a whole-farm analysis in 2007.

The percentage of agricultural land operated by KFMA members in 2007 was larger in eastern Kansas than it was in central or western Kansas. In northeast and southeast Kansas, approximately 8.3% and 12.9% of the land in 2007 was operated by KFMA members. In north central and south central Kansas, approximately 6.2% and 9.1% of the land in 2007 was operated by KFMA members. In northwest and southwest Kansas, approximately 4.5% and 2.1% of the land in 2007 was operated by KFMA members.

Given the comparisons presented in this paper, the farms participating in the KFMA program are more representative of the Census farms in the largest size categories than they are of the Census farms in the smallest size categories. Though specific information on time devoted to farming is not collected, anecdotal evidence suggests that a vast majority of the farms participating in the KFMA program devote most of their time to the farm rather than an off-farm job. To the extent that this is the case, the average KFMA farm more closely reflects the characteristics of full-time commercial farms than the average Census farm.

References

Herbel, K. and M. Langemeier. "Kansas Farm Management Association Annual Profitlink Summary, 2009." Department of Agricultural Economics, Kansas State University, 2010.

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Table 1. Comparison of 2002 and 2007 Census of Agriculture with KFMA State Databank Information.

	2002 Census			2007 Census		
	KFMA	Census	Percent	KFMA	Census	Percent
Number of Farms	1,968	64,414	3.06%	1,564	65,531	2.39%
Land in Farms	3,602,640	47,227,944	7.63%	3,005,179	46,345,827	6.48%
Average Size of Farms	1,831	733	249.68%	1,921	707	271.69%
Farms by Size (Number):						
1 to 9 acres	0	1,578	0.00%	0	2,123	0.00%
10 to 49 acres	5	9,611	0.05%	1	10,041	0.01%
50 to 179 acres	34	17,300	0.20%	32	18,992	0.17%
180 to 499 acres	181	13,632	1.33%	142	14,108	1.01%
500 to 999 acres	385	8,641	4.46%	276	7,932	3.48%
1,000 to 1,999 acres	702	7,371	9.52%	544	6,238	8.72%
2,000 acres or more	661	6,281	10.52%	569	6,097	9.33%
Farms by Size (Percentages):						
1 to 9 acres	0.00%	2.45%		0.00%	3.24%	
10 to 49 acres	0.25%	14.92%		0.06%	15.32%	
50 to 179 acres	1.73%	26.86%		2.05%	28.98%	
180 to 499 acres	9.20%	21.16%		9.08%	21.53%	
500 to 999 acres	19.56%	13.41%		17.65%	12.10%	
1,000 to 1,999 acres	35.67%	11.44%		34.78%	9.52%	
2,000 or more acres	33.59%	9.75%		36.38%	9.30%	
Total Cropland:						
Farms	1,939	56,703	3.42%	1,540	55,272	2.79%
Acres	2,318,855	29,542,022	7.85%	2,027,882	28,216,064	7.19%
Average Market Value of Sales	302,362	135,782	222.68%	605,952	219,944	275.50%
Farms by Value of Sales (Number):						
Less than \$2,500	2	20,444	0.01%	0	22,731	0.00%
\$2,500 to \$4,999	5	4,594	0.11%	0	3,863	0.00%
\$5,000 to \$9,999	4	6,102	0.07%	4	5,198	0.08%
\$10,000 to \$24,999	39	9,256	0.42%	24	7,844	0.31%
\$25,000 to \$49,999	130	6,717	1.94%	48	6,097	0.79%
\$50,000 to \$99,999	297	6,282	4.73%	130	5,609	2.32%
\$100,000 or \$499,999	1,194	9,205	12.97%	899	10,174	8.84%
\$500,000 or more	297	1,814	16.37%	459	4,015	11.43%
Farms by Value of Sales (Percentages):						
Less than \$2,500	0.10%	31.74%		0.00%	34.69%	
\$2,500 to \$4,999	0.25%	7.13%		0.00%	5.89%	
\$5,000 to \$9,999	0.20%	9.47%		0.26%	7.93%	
\$10,000 to \$24,999	1.98%	14.37%		1.53%	11.97%	
\$25,000 to \$49,999	6.61%	10.43%		3.07%	9.30%	
\$50,000 to \$99,999	15.09%	9.75%		8.31%	8.56%	
\$100,000 to \$499,999	60.67%	14.29%		57.48%	15.53%	
\$500,000 or more	15.09%	2.82%		29.35%	6.13%	
Winter Wheat						
Acres	735,953	8,080,854	9.11%	766,642	8,527,780	8.99%
Farms	1,580	24,236	6.52%	1,305	22,630	5.77%
Percentage of Farms	80.28%	37.63%		83.44%	34.53%	
Beef Cows						
Cows	92,398	1,539,636	6.00%	77,887	1,516,374	5.14%
Farms	944	27,616	3.42%	764	25,776	2.96%
Percentage of Farms	47.97%	42.87%		48.85%	39.33%	

Table 2. Comparison of 2007 Census of Agriculture with KFMA Eastern Kansas Databank Information.

	Northeast Kansas			Southeast Kansas		
	KFMA	Census	Percent	KFMA	Census	Percent
Number of Farms	254	12,330	2.06%	494	16,680	2.96%
Land in Farms	399,219	4,784,551	8.34%	954,245	7,417,893	12.86%
Average Size of Farms	1,572	388	405.04%	1,932	445	434.36%
Farms by Size (Number):						
1 to 9 acres	0	587	0.00%	0	506	0.00%
10 to 49 acres	1	2,771	0.04%	0	3,476	0.00%
50 to 179 acres	10	4,099	0.24%	11	5,758	0.19%
180 to 499 acres	37	2,620	1.41%	49	3,607	1.36%
500 to 999 acres	48	1,127	4.26%	92	1,548	5.94%
1,000 acres or more	158	1,126	14.03%	342	1,785	19.16%
Farms by Size (Percentages):						
1 to 9 acres	0.00%	4.76%		0.00%	3.03%	
10 to 49 acres	0.39%	22.47%		0.00%	20.84%	
50 to 179 acres	3.94%	33.24%		2.23%	34.52%	
180 to 499 acres	14.57%	21.25%		9.92%	21.62%	
500 to 999 acres	18.90%	9.14%		18.62%	9.28%	
1,000 acres or more	62.20%	9.13%		69.23%	10.70%	
Total Cropland:						
Farms	249	10,071	2.47%	477	13,166	3.62%
Acres	248,338	2,367,360	10.49%	511,656	3,314,729	15.44%
Average Market Value of Sales	613,283	87,551	700.49%	563,138	79,180	711.21%
Farms by Value of Sales (Number):						
Less than \$2,500	0	4,233	0.00%	0	6,226	0.00%
\$2,500 to \$4,999	0	991	0.00%	0	1,423	0.00%
\$5,000 to \$9,999	2	1,292	0.15%	2	1,825	0.11%
\$10,000 to \$24,999	5	1,725	0.29%	8	2,532	0.32%
\$25,000 to \$49,999	7	1,167	0.60%	22	1,551	1.42%
\$50,000 to \$99,999	25	999	2.50%	54	1,126	4.80%
\$100,000 or more	215	1,923	11.18%	408	1,997	20.43%
Farms by Value of Sales (Percentages):						
Less than \$2,500	0.00%	34.33%		0.00%	37.33%	
\$2,500 to \$4,999	0.00%	8.04%		0.00%	8.53%	
\$5,000 to \$9,999	0.79%	10.48%		0.40%	10.94%	
\$10,000 to \$24,999	1.97%	13.99%		1.62%	15.18%	
\$25,000 to \$49,999	2.76%	9.46%		4.45%	9.30%	
\$50,000 to \$99,999	9.84%	8.10%		10.93%	6.75%	
\$100,000 or more	84.65%	15.60%		82.59%	11.97%	
Winter Wheat						
Farms	160	2,003	7.99%	363	2,861	12.69%
Percentage of Farms	62.99%	16.24%		73.48%	17.15%	
Beef Cows						
Farms	131	5,251	2.49%	299	8,406	3.56%
Percentage of Farms	51.57%	42.59%		60.53%	50.40%	

Table 3. Comparison of 2007 Census of Agriculture with KFMA Central Kansas Databank Information.

	North Central Kansas			South Central Kansas		
	KFMA	Census	Percent	KFMA	Census	Percent
Number of Farms	270	10,728	2.52%	296	9,963	2.97%
Land in Farms	468,674	7,623,462	6.15%	537,844	5,903,285	9.11%
Average Size of Farms	1,736	711	244.27%	1,817	593	306.66%
Farms by Size (Number):						
1 to 9 acres	0	308	0.00%	0	365	0.00%
10 to 49 acres	0	1,229	0.00%	0	1,623	0.00%
50 to 179 acres	2	2,880	0.07%	8	2,885	0.28%
180 to 499 acres	18	2,389	0.75%	28	2,148	1.30%
500 to 999 acres	57	1,591	3.58%	42	1,200	3.50%
1,000 acres or more	193	2,331	8.28%	218	1,742	12.51%
Farms by Size (Percentages):						
1 to 9 acres	0.00%	2.87%		0.00%	3.66%	
10 to 49 acres	0.00%	11.46%		0.00%	16.29%	
50 to 179 acres	0.74%	26.85%		2.70%	28.96%	
180 to 499 acres	6.67%	22.27%		9.46%	21.56%	
500 to 999 acres	21.11%	14.83%		14.19%	12.04%	
1,000 acres or more	71.48%	21.73%		73.65%	17.48%	
Total Cropland:						
Farms	269	9,453	2.85%	296	8,725	3.39%
Acres	314,774	4,512,447	6.98%	454,863	4,319,635	10.53%
Average Market Value of Sales	520,441	136,065	382.49%	551,504	151,469	364.10%
Farms by Value of Sales (Number):						
Less than \$2,500	0	3,049	0.00%	0	3,688	0.00%
\$2,500 to \$4,999	0	478	0.00%	0	618	0.00%
\$5,000 to \$9,999	0	665	0.00%	0	803	0.00%
\$10,000 to \$24,999	1	1,194	0.08%	6	1,146	0.52%
\$25,000 to \$49,999	3	1,152	0.26%	11	954	1.15%
\$50,000 to \$99,999	18	1,216	1.48%	21	863	2.43%
\$100,000 or more	248	2,974	8.34%	258	1,891	13.64%
Farms by Value of Sales (Percentages):						
Less than \$2,500	0.00%	28.42%		0.00%	37.02%	
\$2,500 to \$4,999	0.00%	4.46%		0.00%	6.20%	
\$5,000 to \$9,999	0.00%	6.20%		0.00%	8.06%	
\$10,000 to \$24,999	0.37%	11.13%		2.03%	11.50%	
\$25,000 to \$49,999	1.11%	10.74%		3.72%	9.58%	
\$50,000 to \$99,999	6.67%	11.33%		7.09%	8.66%	
\$100,000 or more	91.85%	27.72%		87.16%	18.98%	
Winter Wheat						
Farms	260	5,577	4.66%	285	4,583	6.22%
Percentage of Farms	96.30%	51.99%		96.28%	46.00%	
Beef Cows						
Farms	140	4,325	3.24%	123	3,066	4.01%
Percentage of Farms	51.85%	40.32%		41.55%	30.77%	

Table 4. Comparison of 2007 Census of Agriculture with KFMA Western Kansas Databank Information.

	Northwest Kansas			Southwest Kansas		
	KFMA	Census	Percent	KFMA	Census	Percent
Number of Farms	151	7,207	2.10%	99	8,623	1.15%
Land in Farms	409,873	9,161,736	4.47%	235,329	11,454,600	2.05%
Average Size of Farms	2,714	1,271	213.53%	2,377	1,328	178.94%
Farms by Size (Number):						
1 to 9 acres	0	137	0.00%	0	214	0.00%
10 to 49 acres	0	493	0.00%	0	454	0.00%
50 to 179 acres	1	1,528	0.07%	0	1,854	0.00%
180 to 499 acres	5	1,421	0.35%	5	1,903	0.26%
500 to 999 acres	25	1,130	2.21%	12	1,330	0.90%
1,000 acres or more	120	2,517	4.77%	82	2,868	2.86%
Farms by Size (Percentages):						
1 to 9 acres	0.00%	1.90%		0.00%	2.48%	
10 to 49 acres	0.00%	6.84%		0.00%	5.26%	
50 to 179 acres	0.66%	21.20%		0.00%	21.50%	
180 to 499 acres	3.31%	19.72%		5.05%	22.07%	
500 to 999 acres	16.56%	15.68%		12.12%	15.42%	
1,000 acres or more	79.47%	34.92%		82.83%	33.26%	
Total Cropland:						
Farms	150	6,383	2.35%	99	7,454	1.33%
Acres	305,055	5,786,237	5.27%	193,201	7,915,656	2.44%
Average Market Value of Sales	887,190	259,219	342.26%	767,828	832,360	92.25%
Farms by Value of Sales (Number):						
Less than \$2,500	0	2,065	0.00%	0	3,470	0.00%
\$2,500 to \$4,999	0	180	0.00%	0	173	0.00%
\$5,000 to \$9,999	0	328	0.00%	0	285	0.00%
\$10,000 to \$24,999	1	709	0.14%	3	538	0.56%
\$25,000 to \$49,999	2	695	0.29%	3	578	0.52%
\$50,000 to \$99,999	4	788	0.51%	8	617	1.30%
\$100,000 or more	144	2,442	5.90%	85	2,962	2.87%
Farms by Value of Sales (Percentages):						
Less than \$2,500	0.00%	28.65%		0.00%	40.24%	
\$2,500 to \$4,999	0.00%	2.50%		0.00%	2.01%	
\$5,000 to \$9,999	0.00%	4.55%		0.00%	3.31%	
\$10,000 to \$24,999	0.66%	9.84%		3.03%	6.24%	
\$25,000 to \$49,999	1.32%	9.64%		3.03%	6.70%	
\$50,000 to \$99,999	2.65%	10.93%		8.08%	7.16%	
\$100,000 or more	95.36%	33.88%		85.86%	34.35%	
Winter Wheat						
Farms	143	3,909	3.66%	94	3,733	2.52%
Percentage of Farms	94.70%	54.24%		94.95%	43.29%	
Beef Cows						
Farms	56	2,728	2.05%	15	2,000	0.75%
Percentage of Farms	37.09%	37.85%		15.15%	23.19%	

Table 5. County Comparisons Between Census and KFMA Farms in Eastern Kansas.

	Number of Farms				1,000 or More Acres		
	KFMA Farms	Databank Farms	Census Farms	Percent	Databank Farms	Census Farms	Percent
<u>Northeast Kansas</u>							
Atchison	15	10	711	1.41%	7	62	11.29%
Brown	42	28	637	4.40%	22	106	20.76%
Chase	20	10	250	4.00%	9	71	12.68%
Doniphan	22	13	573	2.27%	10	62	16.13%
Douglas	27	19	1,040	1.83%	11	39	28.20%
Jackson	27	18	1,127	1.60%	12	73	16.44%
Jefferson	36	23	1,137	2.02%	10	60	16.67%
Johnson	4	2	610	0.33%	0	29	0.00%
Leavenworth	34	24	1,203	2.00%	5	26	19.23%
Lyon	29	18	930	1.94%	12	119	10.08%
Morris	27	20	479	4.18%	16	100	16.00%
Nemaha	37	26	1,054	2.47%	6	105	5.72%
Pottawatomie	13	7	843	0.83%	6	116	5.17%
Shawnee	41	27	885	3.05%	24	47	51.06%
Wabaunsee	12	9	660	1.36%	8	108	7.41%
Wyandotte	0	0	191	0.00%	0	3	0.00%
Total	386	254	12,330	2.06%	158	1,126	14.03%
<u>Southeast Kansas</u>							
Allen	30	24	611	3.93%	20	74	27.03%
Anderson	24	25	715	3.50%	20	104	19.23%
Bourbon	26	22	928	2.37%	14	61	22.95%
Butler	53	40	1,427	2.80%	26	181	14.36%
Chautauqua	19	13	359	3.62%	11	68	16.18%
Cherokee	47	36	809	4.45%	14	96	14.58%
Coffey	22	11	681	1.62%	10	111	9.01%
Cowley	49	35	1,027	3.41%	27	128	21.09%
Crawford	29	32	911	3.51%	21	82	25.61%
Elk	23	13	361	3.60%	12	76	15.79%
Franklin	32	27	1,051	2.57%	17	69	24.64%
Greenwood	32	17	539	3.15%	14	116	12.07%
Labette	34	27	1,052	2.57%	16	95	16.84%
Linn	20	14	918	1.53%	10	47	21.27%
Miami	25	23	1,538	1.50%	11	54	20.37%
Montgomery	35	22	994	2.21%	17	68	25.00%
Neosho	42	27	775	3.48%	19	82	23.17%
Osage	23	21	1,092	1.92%	14	99	14.14%
Wilson	37	27	553	4.88%	20	102	19.61%
Woodson	46	38	339	11.21%	29	72	40.28%
Total	648	494	16,680	2.96%	342	1,785	19.16%

Table 6. County Comparisons Between Census and KFMA Farms in Central Kansas.

	Number of Farms				1,000 or More Acres		
	KFMA Farms	Databank Farms	Census Farms	Percent	Databank Farms	Census Farms	Percent
<u>North Central Kansas</u>							
Clay	34	25	583	4.29%	18	114	15.79%
Cloud	5	2	466	0.43%	2	130	1.54%
Dickinson	49	43	1,046	4.11%	28	178	15.73%
Ellsworth	12	11	408	2.70%	10	98	10.20%
Geary	22	20	229	8.73%	17	46	36.96%
Jewell	11	9	525	1.71%	6	162	3.70%
Lincoln	10	6	473	1.27%	6	114	5.26%
Marion	67	57	974	5.85%	32	166	19.28%
Marshall	13	11	913	1.20%	8	168	4.76%
Mitchell	18	7	396	1.77%	6	122	4.92%
Osborne	13	6	378	1.59%	6	137	4.38%
Ottawa	18	11	546	2.01%	9	120	7.50%
Republic	6	5	682	0.73%	4	133	3.01%
Riley	15	10	532	1.88%	5	66	7.58%
Russell	4	3	522	0.57%	3	124	2.42%
Saline	26	25	749	3.34%	18	129	13.95%
Smith	23	12	489	2.45%	8	145	5.52%
Washington	10	7	817	0.86%	7	179	3.91%
Total	356	270	10,728	2.52%	193	2,331	8.28%
<u>South Central Kansas</u>							
Barton	46	30	678	4.42%	29	168	17.26%
Harper	19	10	495	2.02%	7	126	5.56%
Harvey	23	18	829	2.17%	10	107	9.34%
Kingman	15	12	876	1.37%	7	166	4.22%
McPherson	31	23	1,142	2.01%	15	168	8.93%
Pratt	40	30	538	5.58%	24	120	20.00%
Reno	77	49	1,749	2.80%	29	215	13.49%
Rice	75	55	580	9.48%	45	141	31.92%
Sedgwick	55	34	1,419	2.40%	24	136	17.65%
Stafford	21	11	558	1.97%	11	159	6.92%
Sumner	38	24	1,099	2.18%	17	236	7.20%
Total	440	296	9,963	2.97%	218	1,742	12.51%

Table 7. County Comparisons Between Census and KFMA Farms in Western Kansas.

	Number of Farms				1,000 or More Acres		
	KFMA Farms	Databank Farms	Census Farms	Percent	Databank Farms	Census Farms	Percent
<u>Northwest Kansas</u>							
Cheyenne	13	9	422	2.13%	7	172	4.07%
Decatur	8	6	303	1.98%	4	123	3.25%
Ellis	1	1	687	0.15%	1	145	0.69%
Gove	5	3	413	0.73%	3	151	1.99%
Graham	4	4	475	0.84%	2	131	1.53%
Logan	17	14	289	4.84%	11	134	8.21%
Ness	0	0	521	0.00%	0	184	0.00%
Norton	8	7	388	1.80%	4	134	2.98%
Phillips	8	8	507	1.58%	8	133	6.02%
Rawlins	27	23	339	6.78%	18	173	10.40%
Rooks	7	5	419	1.19%	5	148	3.38%
Rush	0	0	481	0.00%	0	123	0.00%
Sheridan	10	7	380	1.84%	5	171	2.92%
Sherman	34	22	436	5.05%	17	162	10.49%
Thomas	31	19	464	4.09%	17	191	8.90%
Trego	4	3	380	0.79%	3	127	2.36%
Wallace	41	20	303	6.60%	15	115	13.04%
Total	218	151	7,207	2.10%	120	2,517	4.77%
<u>Southwest Kansas</u>							
Barber	8	0	427	0.00%	0	151	0.00%
Clark	4	2	278	0.72%	2	78	2.56%
Commanche	12	2	253	0.79%	2	92	2.17%
Edwards	5	2	371	0.54%	2	114	1.75%
Finney	9	2	516	0.39%	2	191	1.05%
Ford	37	15	664	2.26%	11	168	6.55%
Grant	2	1	326	0.31%	1	93	1.08%
Gray	23	12	473	2.54%	12	139	8.63%
Greeley	1	0	303	0.00%	0	103	0.00%
Hamilton	18	5	431	1.16%	5	156	3.21%
Haskell	0	0	248	0.00%	0	97	0.00%
Hodgman	37	28	379	7.39%	24	155	15.48%
Kearny	8	2	337	0.59%	2	121	1.65%
Kiowa	13	3	399	0.75%	1	107	0.93%
Lane	7	5	284	1.76%	4	115	3.48%
Meade	3	2	448	0.45%	1	157	0.64%
Morton	15	4	353	1.13%	3	112	2.68%
Pawnee	9	4	438	0.91%	4	128	3.13%
Scott	0	0	277	0.00%	0	100	0.00%
Seward	0	0	342	0.00%	0	98	0.00%
Stanton	4	0	328	0.00%	0	126	0.00%
Stevens	0	0	425	0.00%	0	118	0.00%
Wichita	14	10	323	3.10%	6	149	4.03%
Total	229	99	8,623	1.15%	82	2,868	2.86%