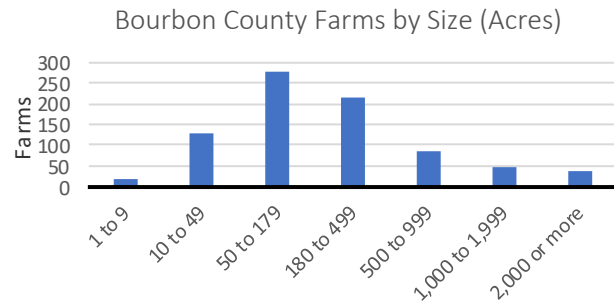


## Farm Statistics, Bourbon County

Number of Farms: 813  
 Average Farm Size: 413 acres  
 Land in Farms: 336,045 acres  
 Average Value of Products Sold Per Farm: \$97,090  
 Average Net Cash Farm Income Per Farm: \$23,620

Source: [USDA 2017 Census of Agriculture](#)



## Overview

The Kansas Department of Agriculture’s Economist creates annual economic contribution reports to estimate the impact of agriculture on the Kansas economy. The purpose of these reports is to provide information for stakeholders, policymakers, and the general public. In this report, the model analyzes the effects of agriculture on the Bourbon County, Kansas economy. For the estimated current year (2022), 28 agriculture and agriculture-related sectors directly contribute \$557 million in output and 1,477 jobs to the Bourbon County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$655 million in output, 2,047 jobs and 27% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

### Results

In this model, the 28 agriculture and agriculture-related sectors have a total direct output of \$557 million and account for 1,477 jobs in Bourbon County, as shown in the following table:

Table 1: Agriculture and Agriculture-Related Sectors’ Contribution to Bourbon County Economy

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,477	17%	\$148,452,000	21%	\$557,482,000
Indirect Effect	413	5%	\$33,519,000	5%	\$74,489,000
Induced Effect	157	2%	\$13,091,000	2%	\$22,990,000
<b>Total Effect</b>	<b>2,047</b>	<b>23%</b>	<b>\$195,063,000</b>	<b>27%</b>	<b>\$654,963,000</b>

Note: Individual effects may not equal the total effect due to rounding.

The agriculture and agriculture-related sectors provide a total estimated impact of \$655 million in output. These sectors also support a total of 2,047 jobs, or 23% of the county’s entire workforce. Another metric used to calculate the importance of sectors in the economy is their value added as a percentage of GRP. Total value added by the 28 agriculture and agriculture-related sectors is 195 million, or 27% of the GRP.

### Top Ten Sectors by Output

The table below shows Bourbon County’s top ten sectors by output, including direct, indirect and induced effects. The *other snack food manufacturing* sector is the top contributor in output to the Bourbon County economy, with \$207 million in total output.

Table 2: Top Ten Sectors by Output, Bourbon County

Sector	Total Output
Other snack food manufacturing	\$207,393,000
Animal, except poultry, slaughtering	\$191,822,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$101,231,000
Wholesale - Other nondurable goods merchant wholesalers	\$21,699,000
Oilseed farming	\$19,338,000
Wholesale - Grocery and related product wholesalers	\$13,992,000
Grain farming	\$10,333,000
Food product machinery manufacturing	\$8,177,000
Other real estate	\$8,117,000
Owner-occupied dwellings	\$4,548,000

### Top Ten Sectors by Employment

Of the agriculture and agriculture-related sectors, *beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming* supports the most jobs in the county with 679 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect and induced effects in Bourbon County.

Table 3: Top Ten Sectors by Employment, Bourbon County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	678.86
Other snack food manufacturing	279.26
Animal, except poultry, slaughtering	265.64
Wholesale - Other nondurable goods merchant wholesalers	85.39
All other crop farming	73.99
Wholesale - Grocery and related product wholesalers	71.74
Other real estate	56.69
Grain farming	29.97
Food product machinery manufacturing	29.42
Support activities for agriculture and forestry	26.56

## All Direct Agriculture Sectors

Table 4 is a summary of agriculture sectors represented with output and employment levels. These values estimate the value of output and the jobs these agriculture sectors support in the Bourbon County economy. Generally, this analysis includes three categories: production, manufacturing or processing, and services. Note, the model does not include ethanol production or wholesale and retail sales of final products.

Table 4: All Direct Agriculture Sectors, Bourbon County

Sector	Total Output	Total Employment
Other snack food manufacturing	\$207,393,000	279.26
Animal, except poultry, slaughtering	\$191,822,000	265.64
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$101,231,000	678.86
Oilseed farming	\$19,338,000	16.40
Grain farming	\$10,333,000	29.97
Food product machinery manufacturing	\$8,177,000	29.42
Breweries	\$3,640,000	9.11
All other crop farming	\$3,001,000	73.99
Dairy cattle and milk production	\$2,537,000	3.30
Other animal food manufacturing	\$1,858,000	1.71
Animal production, except cattle and poultry and eggs	\$1,232,000	7.09
Veterinary services	\$1,219,000	22.90
Support activities for agriculture and forestry	\$966,000	26.56
Greenhouse, nursery, and floriculture production	\$901,000	4.78
Bread and bakery product, except frozen, manufacturing	\$747,000	4.99
Landscape and horticultural services	\$553,000	7.98
Frozen cakes and other pastries manufacturing	\$467,000	4.99
Poultry and egg production	\$432,000	0.43
Commercial hunting and trapping	\$422,000	5.63
Meat processed from carcasses	\$392,000	0.77
Rendering and meat byproduct processing	\$309,000	0.79
Roasted nuts and peanut butter manufacturing	\$201,000	0.42
Tree nut farming	\$105,000	0.67
Vegetable and melon farming	\$64,000	0.31
Fiber, yarn, and thread mills	\$44,000	0.16
Commercial logging	\$39,000	0.42
Forestry, forest products, and timber tract production	\$30,000	0.41
Fruit farming	\$28,000	0.17

## Methodology

Using the economic software IMPLAN, the equilibrium displacement model calculates the estimated output and employment of all 546 different economic sectors if the current economy experiences no shocks within the agriculture and agriculture-related industries. IMPLAN sectors are based on North American Industry Classification System (NAICS) codes. The results of this model are broken down into direct, indirect and induced effects, and the IMPLAN framework avoids double counting. All agriculture and agriculture-related sectors represented in this model use the most recent IMPLAN data available (2020), adjusted for 2022 dollars.

## Notes and Glossary

These results are based on estimated production and employment numbers, along with estimated potential sector-, industry- and economy-wide effects. Therefore, these results may differ from actual events.

Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

The model provides results in relation to the agriculture and agriculture-related sectors. These results are not equal to the total effects of all 546 sectors but rather the total effects relative to agriculture.

The following terms are used throughout this report:

- *Direct effect*: the contribution from agricultural and food products
- *Indirect effect*: the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the county
- *Induced effect*: the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the county
- *Value added* = labor income + indirect business taxes + other property type income
- *Gross Regional Product* = final demand of households + government expenditures + capital + exports – imports – institutional sales
- *Output* = intermediate inputs + value added
- *Employment*: full-time/part-time annual average, i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.

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