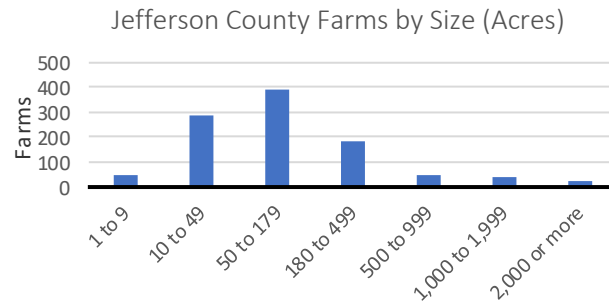


Farm Statistics, Jefferson County

Number of Farms: 1,012
 Average Farm Size: 252 acres
 Land in Farms: 255,404 acres
 Average Value of Products Sold Per Farm: \$74,833
 Average Net Cash Farm Income Per Farm: \$20,795

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 Jefferson County, Kansas economy. For the estimated current year (2022), 26 agriculture and agriculture-related sectors directly contribute \$236 million in output and 1,417 jobs to the Jefferson County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$282 million in output, 1,722 jobs and 19% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 26 agriculture and agriculture-related sectors have a total direct output of \$236 million and account for 1,417 jobs in Jefferson County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,417	20%	\$63,033,000	14%	\$235,917,000
Indirect Effect	191	3%	\$10,522,000	2%	\$29,345,000
Induced Effect	114	2%	\$8,335,000	2%	\$16,799,000
Total Effect	1,722	25%	\$81,891,000	19%	\$282,062,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$282 million in output. These sectors also support a total of 1,722 jobs, or 25% 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 26 agriculture and agriculture-related sectors is 82 million, or 19% of the GRP.

Top Ten Sectors by Output

The table below shows Jefferson County’s top ten sectors by output, including direct, indirect and induced effects. The *animal, except poultry, slaughtering* sector is the top contributor in output to the Jefferson County economy, with \$62 million in total output.

Table 2: Top Ten Sectors by Output, Jefferson County

Sector	Total Output
Animal, except poultry, slaughtering	\$62,445,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$55,642,000
Oilseed farming	\$28,466,000
Grain farming	\$28,260,000
Pesticide and other agricultural chemical manufacturing	\$25,485,000
Landscape and horticultural services	\$15,756,000
Other real estate	\$9,017,000
Truck transportation	\$5,160,000
Support activities for agriculture and forestry	\$4,796,000
Owner-occupied dwellings	\$4,762,000

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 582 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect and induced effects in Jefferson County.

Table 3: Top Ten Sectors by Employment, Jefferson County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	582.35
Support activities for agriculture and forestry	207.75
Landscape and horticultural services	189.82
All other crop farming	113.68
Grain farming	111.50
Animal, except poultry, slaughtering	83.89
Other real estate	62.84
Oilseed farming	37.52
Truck transportation	34.69
Veterinary services	26.51

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 Jefferson 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, Jefferson County

Sector	Total Output	Total Employment
Animal, except poultry, slaughtering	\$62,445,000	83.89
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$55,642,000	582.35
Oilseed farming	\$28,466,000	37.52
Grain farming	\$28,260,000	111.50
Pesticide and other agricultural chemical manufacturing	\$25,485,000	17.16
Landscape and horticultural services	\$15,756,000	189.82
Support activities for agriculture and forestry	\$4,796,000	207.75
All other crop farming	\$3,183,000	113.68
Dairy cattle and milk production	\$2,537,000	3.31
Greenhouse, nursery, and floriculture production	\$2,262,000	10.99
Vegetable and melon farming	\$1,551,000	8.26
Veterinary services	\$1,525,000	26.51
Bread and bakery product, except frozen, manufacturing	\$729,000	5.32
Animal production, except cattle and poultry and eggs	\$675,000	5.39
Poultry and egg production	\$571,000	0.66
Frozen cakes and other pastries manufacturing	\$455,000	5.33
Other snack food manufacturing	\$377,000	0.51
Bottled and canned soft drinks & water	\$325,000	0.58
Roasted nuts and peanut butter manufacturing	\$243,000	0.50
Fruit farming	\$223,000	1.43
Other animal food manufacturing	\$124,000	0.11
Commercial logging	\$93,000	1.86
Tree nut farming	\$87,000	0.63
Fiber, yarn, and thread mills	\$46,000	0.16
Forestry, forest products, and timber tract production	\$38,000	0.49
Commercial hunting and trapping	\$23,000	1.18

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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