



# Stevens County, Kansas

2024 ECONOMIC CONTRIBUTION REPORT  
AUGUST 2024

## 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 to stakeholders, policymakers, and the general public. In this report, the model analyzes the effects of agriculture on the Stevens County, Kansas, economy. For the estimated current year (2024), 22 agriculture and agriculture-related sectors directly contribute \$402 million in output and 827 jobs to the Stevens County, Kansas, economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$464 million in output, 1,093 jobs and 42% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture.

Methodology and Glossary on final page

### Results

In this model, the 22 agriculture and agriculture-related sectors have a total direct output of \$402 million and account for 827 jobs in Stevens County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	827	25%	\$97,208,000	32%	\$402,285,000
Indirect Effect	157	5%	\$18,976,000	6%	\$44,813,000
Induced Effect	109	3%	\$9,189,000	3%	\$17,166,000
Total Effect	1,093	33%	\$125,374,000	42%	\$464,265,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$464 million in output. These sectors also support a total of 1,093 jobs, or 33% 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 the Gross Regional Product. Total value added by the 22 agriculture and agriculture-related sectors is \$125 million, or 42% of the Gross Regional Product.

### Top Ten Sectors by Output

The table below shows Stevens County’s top ten sectors by output, including direct, indirect and induced effects. The *grain farming* sector is the top contributor in output to the Stevens County economy, with \$152 million in total output.

Table 2: Top Ten Sectors by Output, Stevens County

Sector	Total Output
Grain farming	\$152,185,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$84,448,000
Fluid milk manufacturing	\$60,388,000
Cheese manufacturing	\$26,601,000
Dairy cattle and milk production	\$23,371,000
Animal production, except cattle and poultry and eggs	\$21,423,000
Cotton farming	\$13,286,000
Truck transportation	\$10,961,000
Wholesale - Other nondurable goods merchant wholesalers	\$9,033,000
Support activities for agriculture and forestry	\$8,791,000

### Top Ten Sectors by Employment

Of the agriculture and agriculture-related sectors, *grain farming* supports the most jobs in the county with 222 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Stevens County.

Table 3: Top Ten Sectors by Employment, Stevens County

Sector	Total Employment
Grain farming	222.11
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	170.96
Support activities for agriculture and forestry	125.01
Cotton farming	81.52
Fluid milk manufacturing	77.15
Animal production, except cattle and poultry and eggs	64.77
Truck transportation	43.91
Cheese manufacturing	26.23
Wholesale - Other nondurable goods merchant wholesalers	25.40
Dairy cattle and milk production	24.46

### 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 Stevens County economy. Generally, this analysis includes three categories: production, manufacturing or processing, and services. Note, the model does not include ethanol production nor wholesale and retail sales of final products.

Table 4: All Direct Agriculture Sectors, Stevens County

Sector	Total Output	Total Employment
Grain farming	\$152,185,000	222.11
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$84,448,000	170.96
Fluid milk manufacturing	\$60,388,000	77.15
Cheese manufacturing	\$26,601,000	26.23
Dairy cattle and milk production	\$23,371,000	24.46
Animal production, except cattle and poultry and eggs	\$21,423,000	64.77
Cotton farming	\$13,286,000	81.52
Support activities for agriculture and forestry	\$8,791,000	125.01
Oilseed farming	\$7,831,000	2.13
Veterinary services	\$939,000	10.25
All other crop farming	\$770,000	7.05
Landscape and horticultural services	\$587,000	7.77
Greenhouse, nursery, and floriculture production	\$396,000	1.67
Other animal food manufacturing	\$373,000	0.28
Bread and bakery product, except frozen, manufacturing	\$246,000	1.64
Other snack food manufacturing	\$177,000	0.29
Frozen cakes and other pastries manufacturing	\$157,000	1.64
Roasted nuts and peanut butter manufacturing	\$136,000	0.28
Poultry and egg production	\$75,000	0.06
Commercial logging	\$67,000	0.96
Forestry, forest products, and timber tract production	\$20,000	0.27
Commercial hunting and trapping	\$6,000	0.56

## 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 (2022), adjusted for 2024 dollars. For this model, key statistics are defined as follows: total employment refers to the annual average of the sum of full and part time jobs held attributed to the 22 agricultural sectors, total gross regional product is the sum of the value added of all industries across the region, and total output is the total annual value of production for an industry or area.

## 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 will 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 and services from supporting industries within the region.
- *Induced effect*: the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the region.
- *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.

---

## Contact

*Agency Economist*

*AgEconomist@ks.gov*

*785-564-6726*

*Kansas Department of Agriculture*

*1320 Research Park Drive, Manhattan, Kansas 66502*

*agriculture.ks.gov*