



Lane 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 Lane County, Kansas, economy. For the estimated current year (2024), 16 agriculture and agriculture-related sectors directly contribute \$181 million in output and 484 jobs to the Lane County, Kansas, economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$223 million in output, 655 jobs and 52% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture.

Methodology and Glossary on final page

Results

In this model, the 16 agriculture and agriculture-related sectors have a total direct output of \$181 million and account for 484 jobs in Lane County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	484	39%	\$43,262,000	39%	\$181,139,000
Indirect Effect	115	9%	\$9,540,000	9%	\$31,050,000
Induced Effect	55	4%	\$4,624,000	4%	\$10,511,000
Total Effect	655	52%	\$57,427,000	52%	\$222,701,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$223 million in output. These sectors also support a total of 655 jobs, or 52% 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 16 agriculture and agriculture-related sectors is \$57 million, or 52% of the Gross Regional Product.

Top Ten Sectors by Output

The table below shows Lane County’s top ten sectors by output, including direct, indirect and induced effects. The *beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming* sector is the top contributor in output to the Lane County economy, with \$128 million in total output.

Table 2: Top Ten Sectors by Output, Lane County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$128,390,000
Grain farming	\$42,783,000
Wholesale - Other nondurable goods merchant wholesalers	\$10,697,000
Other real estate	\$5,190,000
Support activities for agriculture and forestry	\$5,011,000
Petroleum refineries	\$3,912,000
Owner-occupied dwellings	\$2,506,000
Oil and gas extraction	\$1,797,000
Insurance carriers, except direct life	\$1,723,000
Poultry and egg production	\$1,494,000

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

Table 3: Top Ten Sectors by Employment, Lane County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	288.13
Grain farming	104.63
Support activities for agriculture and forestry	74.99
Other real estate	37.17
Wholesale - Other nondurable goods merchant wholesalers	31.92
Full-service restaurants	9.25
Landscape and horticultural services	6.34
Other financial investment activities	6.14
Retail - Nonstore retailers	6.11
Truck transportation	5.31

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 Lane 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, Lane County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$128,390,000	288.13
Grain farming	\$42,783,000	104.63
Support activities for agriculture and forestry	\$5,011,000	74.99
Poultry and egg production	\$1,494,000	2.09
Farm machinery and equipment manufacturing	\$985,000	1.72
Oilseed farming	\$626,000	0.20
Other animal food manufacturing	\$612,000	0.48
Landscape and horticultural services	\$470,000	6.34
All other crop farming	\$243,000	3.31
Animal production, except cattle and poultry and eggs	\$197,000	0.97
Other snack food manufacturing	\$97,000	0.17
Roasted nuts and peanut butter manufacturing	\$78,000	0.16
Bread and bakery product, except frozen, manufacturing	\$63,000	0.44
Frozen cakes and other pastries manufacturing	\$40,000	0.44
Commercial logging	\$32,000	0.50
Forestry, forest products, and timber tract production	\$10,000	0.16

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 16 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.

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