



Allen 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 Allen County, Kansas, economy. For the estimated current year (2024), 27 agriculture and agriculture-related sectors directly contribute \$747 million in output and 1,228 jobs to the Allen County, Kansas, economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$806 million in output, 1,502 jobs and 15% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture.

Methodology and Glossary on final page

Results

In this model, the 27 agriculture and agriculture-related sectors have a total direct output of \$747 million and account for 1,228 jobs in Allen County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,228	15%	\$117,086,000	12%	\$747,380,000
Indirect Effect	137	2%	\$14,217,000	1%	\$35,549,000
Induced Effect	137	2%	\$12,940,000	1%	\$22,844,000
Total Effect	1,502	19%	\$144,244,000	15%	\$805,774,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$806 million in output. These sectors also support a total of 1,502 jobs, or 19% 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 27 agriculture and agriculture-related sectors is \$144 million, or 15% of the Gross Regional Product.

Top Ten Sectors by Output

The table below shows Allen County’s top ten sectors by output, including direct, indirect and induced effects. The *soybean and other oilseed processing* sector is the top contributor in output to the Allen County economy, with \$248 million in total output.

Table 2: Top Ten Sectors by Output, Allen County

Sector	Total Output
Soybean and other oilseed processing	\$247,686,000
Animal, except poultry, slaughtering	\$179,948,000
Other animal food manufacturing	\$79,793,000
Confectionery manufacturing from purchased chocolate	\$71,965,000
Farm machinery and equipment manufacturing	\$61,757,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$56,467,000
Oilseed farming	\$23,008,000
Grain farming	\$15,491,000
Owner-occupied dwellings	\$4,363,000
Petroleum refineries	\$4,286,000

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

Table 3: Top Ten Sectors by Employment, Allen County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	427.58
Animal, except poultry, slaughtering	242.37
Confectionery manufacturing from purchased chocolate	182.23
Farm machinery and equipment manufacturing	95.31
Other animal food manufacturing	61.48
Grain farming	51.06
All other crop farming	45.33
Soybean and other oilseed processing	40.90
Oilseed farming	22.88
Veterinary services	17.97

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 Allen 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, Allen County

Sector	Total Output	Total Employment
Soybean and other oilseed processing	\$247,686,000	40.90
Animal, except poultry, slaughtering	\$179,948,000	242.37
Other animal food manufacturing	\$79,793,000	61.48
Confectionery manufacturing from purchased chocolate	\$71,965,000	182.23
Farm machinery and equipment manufacturing	\$61,757,000	95.31
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$56,467,000	427.58
Oilseed farming	\$23,008,000	22.88
Grain farming	\$15,491,000	51.06
Dairy cattle and milk production	\$1,983,000	3.69
All other crop farming	\$1,799,000	45.33
Veterinary services	\$1,387,000	17.97
Support activities for agriculture and forestry	\$1,260,000	11.14
Animal production, except cattle and poultry and eggs	\$954,000	6.97
Bread and bakery product, except frozen, manufacturing	\$752,000	4.98
Other snack food manufacturing	\$487,000	0.70
Frozen cakes and other pastries manufacturing	\$476,000	4.98
Poultry and egg production	\$462,000	0.55
Distilleries	\$453,000	0.55
Vegetable and melon farming	\$353,000	1.62
Roasted nuts and peanut butter manufacturing	\$352,000	0.68
Landscape and horticultural services	\$299,000	2.96
Commercial logging	\$102,000	1.03
Forestry, forest products, and timber tract production	\$65,000	0.66
Greenhouse, nursery, and floriculture production	\$39,000	0.20
Tree nut farming	\$22,000	0.12
Commercial hunting and trapping	\$5,000	0.24
Fruit farming	\$1,000	0.01

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 27 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