



Wabaunsee 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 Wabaunsee County, Kansas, economy. For the estimated current year (2024), 26 agriculture and agriculture-related sectors directly contribute \$255 million in output and 835 jobs to the Wabaunsee County, Kansas, economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$283 million in output, 977 jobs and 33% 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 \$255 million and account for 835 jobs in Wabaunsee County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	835	29%	\$48,409,000	27%	\$254,558,000
Indirect Effect	104	4%	\$7,884,000	4%	\$22,660,000
Induced Effect	37	1%	\$2,922,000	2%	\$6,182,000
Total Effect	977	34%	\$59,217,000	33%	\$283,400,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$283 million in output. These sectors also support a total of 977 jobs, or 34% 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 26 agriculture and agriculture-related sectors is \$59 million, or 33% of the Gross Regional Product.

Top Ten Sectors by Output

The table below shows Wabaunsee 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 Wabaunsee County economy, with \$88 million in total output.

Table 2: Top Ten Sectors by Output, Wabaunsee County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$88,334,000
Animal, except poultry, slaughtering	\$55,170,000
Meat processed from carcasses	\$47,123,000
Grain farming	\$17,559,000
Oilseed farming	\$14,288,000
Canned fruits and vegetables manufacturing	\$14,131,000
Cheese manufacturing	\$7,973,000
Truck transportation	\$5,896,000
Farm machinery and equipment manufacturing	\$2,719,000
Wholesale - Other nondurable goods merchant wholesalers	\$2,614,000

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

Table 3: Top Ten Sectors by Employment, Wabaunsee County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	489.79
Meat processed from carcasses	86.39
Animal, except poultry, slaughtering	74.54
Grain farming	54.63
All other crop farming	49.11
Truck transportation	29.76
Canned fruits and vegetables manufacturing	23.50
Landscape and horticultural services	15.99
Oilseed farming	10.52
Wholesale - Other nondurable goods merchant wholesalers	8.67

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 Wabaunsee 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, Wabaunsee County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$88,334,000	489.79
Animal, except poultry, slaughtering	\$55,170,000	74.54
Meat processed from carcasses	\$47,123,000	86.39
Grain farming	\$17,559,000	54.63
Oilseed farming	\$14,288,000	10.52
Canned fruits and vegetables manufacturing	\$14,131,000	23.50
Cheese manufacturing	\$7,973,000	7.86
Farm machinery and equipment manufacturing	\$2,719,000	4.92
All other crop farming	\$2,299,000	49.11
Landscape and horticultural services	\$1,339,000	15.99
Wineries	\$1,171,000	3.62
Poultry and egg production	\$554,000	0.76
Support activities for agriculture and forestry	\$532,000	4.45
Animal production, except cattle and poultry and eggs	\$472,000	3.14
Dairy cattle and milk production	\$201,000	2.00
Other snack food manufacturing	\$168,000	0.28
Bread and bakery product, except frozen, manufacturing	\$157,000	1.21
Roasted nuts and peanut butter manufacturing	\$132,000	0.27
Frozen cakes and other pastries manufacturing	\$99,000	1.21
Commercial hunting and trapping	\$30,000	0.30
Commercial logging	\$26,000	0.28
Vegetable and melon farming	\$25,000	0.14
Forestry, forest products, and timber tract production	\$19,000	0.26
Fruit farming	\$14,000	0.10
Greenhouse, nursery, and floriculture production	\$10,000	0.08
Tree nut 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 26 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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