



# Kearny County, Kansas

2023 ECONOMIC CONTRIBUTION REPORT  
NOVEMBER 15, 2023

## 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 Kearny County, Kansas, economy. For the estimated current year (2023), 21 agriculture and agriculture-related sectors directly contribute \$328 million in output and 1,007 jobs to the Kearny County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$364 million in output, 1,193 jobs and 45% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture.

Methodology and Glossary on final page

### Results

In this model, the 21 agriculture and agriculture-related sectors have a total direct output of \$328 million and account for 1,007 jobs in Kearny County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,008	42%	\$65,495,000	35%	\$328,009,000
Indirect Effect	112	5%	\$11,836,000	6%	\$25,290,000
Induced Effect	74	3%	\$6,320,000	3%	\$11,379,000
<b>Total Effect</b>	<b>1,194</b>	<b>49%</b>	<b>\$83,652,000</b>	<b>45%</b>	<b>\$364,680,000</b>

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$364 million in output. These sectors also support a total of 1,193 jobs, or 49% 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 21 agriculture and agriculture-related sectors is \$83 million, or 45% of the Gross Regional Product.

### Top Ten Sectors by Output

The table below shows Kearny 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 Kearny County economy, with \$120 million in total output.

Table 2: Top Ten Sectors by Output, Kearny County

Sector	Total Output
Grain farming	\$120,814,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$52,074,000
Dairy cattle and milk production	\$16,971,000
Animal, except poultry, slaughtering	\$14,092,000
Support activities for agriculture and forestry	\$7,136,000
Truck transportation	\$6,986,000
Other real estate	\$4,024,000
Owner-occupied dwellings	\$3,150,000
Monetary authorities and depository credit intermediation	\$2,123,000
All other crop farming	\$2,123,000

### Top Ten Sectors by Employment

Of the agriculture and agriculture-related sectors, *grain farming* supports the most jobs in the county with 312 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Kearny County.

Table 3: Top Ten Sectors by Employment, Kearny County

Sector	Total Employment
Grain farming	312.63
Support activities for agriculture and forestry	274.57
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	270.12
Dairy cattle and milk production	63.10
Other real estate	37.66
All other crop farming	30.76
Animal, except poultry, slaughtering	28.09
Truck transportation	23.87
Monetary authorities and depository credit intermediation	14.86
Landscape and horticultural services	12.60

### 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 Kearny 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, Kearny County

Sector	Total Output	Total Employment
Grain farming	\$120,814,000	312.63
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$117,067,000	270.12
Dairy cattle and milk production	\$52,074,000	63.10
Animal, except poultry, slaughtering	\$16,971,000	28.09
Support activities for agriculture and forestry	\$14,092,000	274.57
All other crop farming	\$2,123,000	30.76
Oilseed farming	\$1,363,000	0.44
Landscape and horticultural services	\$1,355,000	12.60
Farm machinery and equipment manufacturing	\$536,000	1.27
Veterinary services	\$505,000	7.86
Animal production, except cattle and poultry and eggs	\$331,000	1.68
Other snack food manufacturing	\$165,000	0.28
Poultry and egg production	\$143,000	0.20
Roasted nuts and peanut butter manufacturing	\$119,000	0.28
Bread and bakery product, except frozen, manufacturing	\$110,000	0.81
Frozen cakes and other pastries manufacturing	\$71,000	0.81
Commercial logging	\$70,000	1.00
Vegetable and melon farming	\$58,000	0.40
Forestry, forest products, and timber tract production	\$18,000	0.27
Other leather and allied product manufacturing	\$13,000	0.23
Commercial hunting and trapping	\$2,000	0.32

## 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 (2021), adjusted for 2023 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 72 agricultural sectors, total gross regional product is the sum of the value added of all industries across the state, 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 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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