



# Sedgwick 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 Sedgwick County, Kansas, economy. For the estimated current year (2023), 44 agriculture and agriculture-related sectors directly contribute \$2.79 billion in output and 7,080 jobs to the Sedgwick County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$3.81 billion in output, 12,226 jobs and 4% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture.

Methodology and Glossary on final page

### Results

In this model, the 44 agriculture and agriculture-related sectors have a total direct output of \$2.79 billion and account for 7,080 jobs in Sedgwick County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	7,080	2%	\$820,751,000	2%	\$2,799,616,000
Indirect Effect	2,842	1%	\$330,794,000	1%	\$643,699,000
Induced Effect	2,304	1%	\$211,907,000	1%	\$375,204,000
<b>Total Effect</b>	<b>12,226</b>	<b>4%</b>	<b>\$1,363,454,000</b>	<b>4%</b>	<b>\$3,818,520,000</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 \$3.81 billion in output. These sectors also support a total of 12,226 jobs, or 4% 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 44 agriculture and agriculture-related sectors is \$1.36 billion, or 4% of the Gross Regional Product.

### Top Ten Sectors by Output

The table below shows Sedgwick County’s top ten sectors by output, including direct, indirect and induced effects. The *flour milling* sector is the top contributor in output to the Sedgwick County economy, with \$688 million in total output.

Table 2: Top Ten Sectors by Output, Sedgwick County

Sector	Total Output
Flour milling	\$688,733,000
Meat processed from carcasses	\$263,861,000
Lawn and garden equipment manufacturing	\$235,522,000
Animal, except poultry, slaughtering	\$138,814,000
Landscape and horticultural services	\$127,326,000
Other animal food manufacturing	\$102,706,000
Grain farming	\$98,694,000
Bottled and canned soft drinks & water	\$98,193,000
Distilleries	\$94,248,000
Truck transportation	\$94,248,000

### Top Ten Sectors by Employment

Of the agriculture and agriculture-related sectors, *landscape and horticultural services* supports the most jobs in the county with 1,308 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Sedgwick County.

Table 3: Top Ten Sectors by Employment, Sedgwick County

Sector	Total Employment
Landscape and horticultural services	1,308.24
Meat processed from carcasses	899.78
Veterinary services	586.50
Flour milling	528.23
Truck transportation	474.27
Lawn and garden equipment manufacturing	461.62
Animal production, except cattle and poultry and eggs	456.21
Animal, except poultry, slaughtering	368.35
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	321.45
Bread and bakery product, except frozen, manufacturing	314.75

### 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 Sedgwick 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, Sedgwick County

Sector	Total Output	Total Employment
Flour milling	\$688,733,000	1,308.24
Meat processed from carcasses	\$454,972,000	899.78
Lawn and garden equipment manufacturing	\$263,861,000	586.50
Animal, except poultry, slaughtering	\$235,522,000	528.23
Landscape and horticultural services	\$138,814,000	461.62
Other animal food manufacturing	\$127,326,000	456.21
Grain farming	\$102,706,000	368.35
Bottled and canned soft drinks & water	\$98,694,000	321.45
Distilleries	\$98,193,000	314.75
Fluid milk manufacturing	\$79,163,000	301.52
Animal production, except cattle and poultry and eggs	\$70,159,000	273.69
Bread and bakery product, except frozen, manufacturing	\$50,997,000	263.24
Oilseed farming	\$49,412,000	137.47
Veterinary services	\$47,880,000	135.01
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$46,468,000	113.60
Support activities for agriculture and forestry	\$33,059,000	98.84
Frozen cakes and other pastries manufacturing	\$27,584,000	73.83
Spice and extract manufacturing	\$26,296,000	70.17
Food product machinery manufacturing	\$21,238,000	66.72
Pesticide and other agricultural chemical manufacturing	\$21,062,000	45.39
Breweries	\$20,182,000	42.04
Dry pasta, mixes, and dough manufacturing	\$12,545,000	30.40
All other food manufacturing	\$12,469,000	19.91
Cheese manufacturing	\$12,268,000	18.85
Fertilizer mixing	\$12,194,000	17.97
Other snack food manufacturing	\$10,848,000	15.81
Ice cream and frozen dessert manufacturing	\$7,887,000	15.49
Roasted nuts and peanut butter manufacturing	\$7,035,000	14.90
All other crop farming	\$5,932,000	13.17
Greenhouse, nursery, and floriculture production	\$3,938,000	13.05
Dairy cattle and milk production	\$2,429,000	12.82
Commercial logging	\$2,050,000	10.36
Rendering and meat byproduct processing	\$1,880,000	9.84
Cotton farming	\$1,659,000	4.57
Forestry, forest products, and timber tract production	\$1,374,000	4.02

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Sector	Total Output	Total Employment
Tortilla manufacturing	\$598,000	3.10
Coffee and tea manufacturing	\$596,000	1.94
Poultry and egg production	\$509,000	1.93
Vegetable and melon farming	\$287,000	1.44
Narrow fabric mill and schiffli machine embroidery	\$248,000	1.20
Other leather and allied product manufacturing	\$215,000	1.13
Fruit farming	\$145,000	0.71
Commercial hunting and trapping	\$106,000	0.49
Tree nut farming	\$60,000	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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