



# Wyandotte 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 Wyandotte County, Kansas economy. For the estimated current year (2023), 39 agriculture and agriculture-related sectors directly contribute \$1.83 billion in output and 4,108 jobs to the Wyandotte County, Kansas economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$2.26 billion in output, 6,134 jobs and 7% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture.

Methodology and Glossary on final page

### Results

In this model, the 39 agriculture and agriculture-related sectors have a total direct output of \$1.83 billion and account for 4,108 jobs in Wyandotte County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	4,109	4%	\$593,363,000	5%	\$1,836,371,000
Indirect Effect	1,640	2%	\$188,969,000	2%	\$360,163,000
Induced Effect	386	0%	\$40,274,000	0%	\$66,054,000
<b>Total Effect</b>	<b>6,135</b>	<b>6%</b>	<b>\$822,606,000</b>	<b>7%</b>	<b>\$2,262,590,000</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 \$2.26 billion in output. These sectors also support a total of 6,134 jobs, or 6% 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 39 agriculture and agriculture-related sectors is \$822 million, or 7% of the Gross Regional Product.

### Top Ten Sectors by Output

The table below shows Wyandotte County's top ten sectors by output, including direct, indirect and induced effects. The *meat processed from carcasses* sector is the top contributor in output to the Wyandotte County economy, with \$561 million in total output.

Table 2: Top Ten Sectors by Output, Wyandotte County

Sector	Total Output
Meat processed from carcasses	\$561,452,000
Cookie and cracker manufacturing	\$114,743,000
Bread and bakery product, except frozen, manufacturing	\$104,387,000
Sugar cane mills and refining	\$99,833,000
Dog and cat food manufacturing	\$90,991,000
Other animal food manufacturing	\$89,634,000
Landscape and horticultural services	\$89,471,000
Fluid milk manufacturing	\$84,358,000
Soybean and other oilseed processing	\$64,946,000
Flour milling	\$64,946,000

### Top Ten Sectors by Employment

Of the agriculture and agriculture-related sectors, meat processed from carcasses supports the most jobs in the county with 1,091 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Wyandotte County.

Table 3: Top Ten Sectors by Employment, Wyandotte County

Sector	Total Employment
Meat processed from carcasses	1,091.36
Landscape and horticultural services	797.67
Bread and bakery product, except frozen, manufacturing	537.67
Cookie and cracker manufacturing	472.17
Wholesale - Grocery and related product wholesalers	257.70
Truck transportation	206.57
Wholesale - Other nondurable goods merchant wholesalers	162.78
Management of companies and enterprises	158.15
Fluid milk manufacturing	114.98
Support activities for agriculture and forestry	112.72

## 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 Wyandotte 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, Wyandotte County

Sector	Total Output	Total Employment
Meat processed from carcasses	\$561,452,000	1,091.36
Cookie and cracker manufacturing	\$283,701,000	472.17
Bread and bakery product, except frozen, manufacturing	\$114,743,000	537.67
Sugar cane mills and refining	\$104,387,000	82.02
Dog and cat food manufacturing	\$99,833,000	88.49
Other animal food manufacturing	\$90,991,000	80.74
Landscape and horticultural services	\$89,634,000	797.67
Fluid milk manufacturing	\$89,471,000	114.98
Soybean and other oilseed processing	\$84,358,000	18.81
Flour milling	\$64,946,000	50.83
Frozen fruits, juices and vegetables manufacturing	\$56,642,000	83.86
Farm machinery and equipment manufacturing	\$39,921,000	70.53
Bottled and canned soft drinks & water	\$29,621,000	36.95
All other food manufacturing	\$23,793,000	54.13
Tortilla manufacturing	\$21,314,000	64.19
Rendering and meat byproduct processing	\$19,895,000	45.70
Pesticide and other agricultural chemical manufacturing	\$12,769,000	9.94
Food product machinery manufacturing	\$7,645,000	22.85
Frozen cakes and other pastries manufacturing	\$6,459,000	61.20
Canned fruits and vegetables manufacturing	\$6,411,000	11.24
Veterinary services	\$5,153,000	60.11
Animal, except poultry, slaughtering	\$4,165,000	6.68
Grain farming	\$3,014,000	12.02
Breweries	\$2,419,000	8.26
All other crop farming	\$2,162,000	72.46
Oilseed farming	\$2,120,000	3.13
Other snack food manufacturing	\$1,964,000	2.77
Greenhouse, nursery, and floriculture production	\$1,840,000	6.24
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$1,413,000	15.77
Roasted nuts and peanut butter manufacturing	\$1,247,000	2.71
Support activities for agriculture and forestry	\$1,145,000	112.72
Animal production, except cattle and poultry and eggs	\$377,000	3.45
Other leather and allied product manufacturing	\$334,000	0.23
Commercial logging	\$320,000	2.76
Forestry, forest products, and timber tract production	\$255,000	2.61

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Sector	Total Output	Total Employment
Poultry and egg production	\$174,000	0.19
Vegetable and melon farming	\$164,000	0.69
Fruit farming	\$90,000	0.43
Tree nut farming	\$6,000	0.04

## 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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