



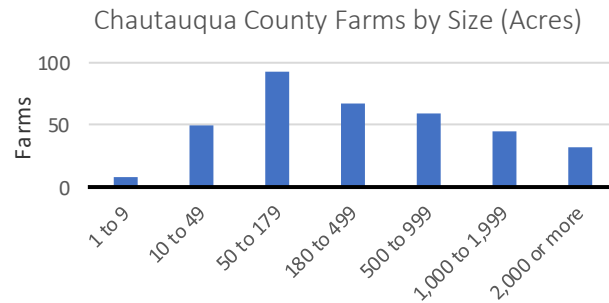
Chautauqua County, Kansas

2022 ECONOMIC CONTRIBUTION REPORT
AUGUST 31, 2022

Farm Statistics, Chautauqua County

Number of Farms: 351
Average Farm Size: 822 acres
Land in Farms: 288,421 acres
Average Value of Products Sold Per Farm: \$89,269
Average Net Cash Farm Income Per Farm: \$15,166

Source: [USDA 2017 Census of Agriculture](#)



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 for stakeholders, policymakers, and the general public. In this report, the model analyzes the effects of agriculture on the Chautauqua County, Kansas economy. For the estimated current year (2022), 24 agriculture and agriculture-related sectors directly contribute \$91 million in output and 369 jobs to the Chautauqua County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$101 million in output, 432 jobs and 29% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 24 agriculture and agriculture-related sectors have a total direct output of \$91 million and account for 369 jobs in Chautauqua County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	369	23%	\$19,920,000	24%	\$90,905,000
Indirect Effect	38	2%	\$2,295,000	3%	\$6,593,000
Induced Effect	25	2%	\$1,642,000	2%	\$3,502,000
Total Effect	432	27%	\$23,857,000	29%	\$101,000,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$101 million in output. These sectors also support a total of 432 jobs, or 27% 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 GRP. Total value added by the 24 agriculture and agriculture-related sectors is 24 million, or 29% of the GRP.

Top Ten Sectors by Output

The table below shows Chautauqua 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 Chautauqua County economy, with \$47 million in total output.

Table 2: Top Ten Sectors by Output, Chautauqua County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$47,178,000
Animal, except poultry, slaughtering	\$22,853,000
Other animal food manufacturing	\$7,677,000
Oilseed farming	\$3,869,000
All other crop farming	\$2,586,000
Truck transportation	\$2,371,000
Grain farming	\$2,085,000
Other real estate	\$1,343,000
Animal production, except cattle and poultry and eggs	\$1,170,000
Farm machinery and equipment manufacturing	\$892,000

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

Table 3: Top Ten Sectors by Employment, Chautauqua County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	231.28
All other crop farming	57.47
Animal, except poultry, slaughtering	32.72
Truck transportation	13.02
Other real estate	9.03
Other animal food manufacturing	6.85
Animal production, except cattle and poultry and eggs	6.68
Grain farming	6.27
Veterinary services	5.64
Landscape and horticultural services	5.60

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 Chautauqua County economy. Generally, this analysis includes three categories: production, manufacturing or processing, and services. Note, the model does not include ethanol production or wholesale and retail sales of final products.

Table 4: All Direct Agriculture Sectors, Chautauqua County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$47,178,000	231.28
Animal, except poultry, slaughtering	\$22,853,000	32.72
Other animal food manufacturing	\$7,677,000	6.85
Oilseed farming	\$3,869,000	2.43
All other crop farming	\$2,586,000	57.47
Grain farming	\$2,085,000	6.27
Animal production, except cattle and poultry and eggs	\$1,170,000	6.68
Farm machinery and equipment manufacturing	\$892,000	2.02
Greenhouse, nursery, and floriculture production	\$450,000	4.10
Landscape and horticultural services	\$428,000	5.60
Poultry and egg production	\$357,000	0.47
Wineries	\$238,000	0.75
Support activities for agriculture and forestry	\$208,000	2.11
Veterinary services	\$204,000	5.64
Tree nut farming	\$139,000	1.19
Bread and bakery product, except frozen, manufacturing	\$125,000	0.91
Other snack food manufacturing	\$116,000	0.17
Fruit farming	\$97,000	0.86
Frozen cakes and other pastries manufacturing	\$77,000	0.91
Roasted nuts and peanut butter manufacturing	\$77,000	0.16
Fiber, yarn, and thread mills	\$44,000	0.16
Commercial logging	\$14,000	0.16
Forestry, forest products, and timber tract production	\$11,000	0.16
Vegetable and melon farming	\$8,000	0.06

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 (2020), adjusted for 2022 dollars.

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 may 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 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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