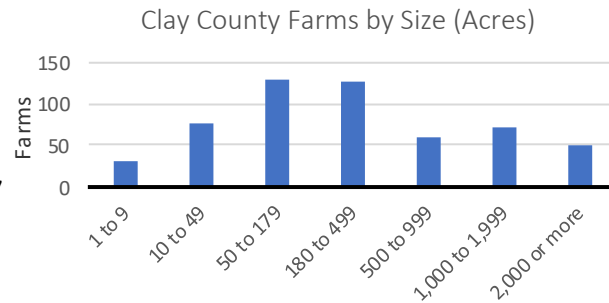


Farm Statistics, Clay County

Number of Farms: 547
 Average Farm Size: 706 acres
 Land in Farms: 386,077 acres
 Average Value of Products Sold Per Farm: \$221,527
 Average Net Cash Farm Income Per Farm: \$54,767

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 Clay County, Kansas economy. For the estimated current year (2022), 20 agriculture and agriculture-related sectors directly contribute \$242 million in output and 850 jobs to the Clay County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$316 million in output, 1,323 jobs and 34% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 20 agriculture and agriculture-related sectors have a total direct output of \$242 million and account for 850 jobs in Clay County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	850	18%	\$69,955,000	24%	\$241,786,000
Indirect Effect	297	6%	\$18,485,000	6%	\$50,923,000
Induced Effect	176	4%	\$11,944,000	4%	\$23,509,000
Total Effect	1,323	29%	\$100,385,000	34%	\$316,218,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$316 million in output. These sectors also support a total of 1,323 jobs, or 29% 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 20 agriculture and agriculture-related sectors is 100 million, or 34% of the GRP.

Top Ten Sectors by Output

The table below shows Clay 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 Clay County economy, with \$56 million in total output.

Table 2: Top Ten Sectors by Output, Clay County

Sector	Total Output
Grain farming	\$56,232,000
Oilseed farming	\$51,755,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$46,533,000
Other animal food manufacturing	\$42,885,000
Other real estate	\$13,193,000
Animal production, except cattle and poultry and eggs	\$12,742,000
Wholesale - Other nondurable goods merchant wholesalers	\$12,009,000
Farm machinery and equipment manufacturing	\$11,846,000
Bread and bakery product, except frozen, manufacturing	\$7,499,000
Truck transportation	\$5,601,000

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

Table 3: Top Ten Sectors by Employment, Clay County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	238.81
Support activities for agriculture and forestry	186.81
Grain farming	147.84
Other real estate	101.73
Animal production, except cattle and poultry and eggs	64.95
Wholesale - Other nondurable goods merchant wholesalers	45.07
All other crop farming	40.47
Bread and bakery product, except frozen, manufacturing	39.61
Other animal food manufacturing	37.05
Truck transportation	35.77

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 Clay 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, Clay County

Sector	Total Output	Total Employment
Grain farming	\$56,232,000	147.84
Oilseed farming	\$51,755,000	33.80
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$46,533,000	238.81
Other animal food manufacturing	\$42,885,000	37.05
Animal production, except cattle and poultry and eggs	\$12,742,000	64.95
Farm machinery and equipment manufacturing	\$11,846,000	23.16
Bread and bakery product, except frozen, manufacturing	\$7,499,000	39.61
Support activities for agriculture and forestry	\$4,547,000	186.81
Dairy cattle and milk production	\$2,011,000	3.34
All other crop farming	\$1,945,000	40.47
Landscape and horticultural services	\$826,000	11.27
Poultry and egg production	\$814,000	0.84
Veterinary services	\$775,000	10.84
Frozen cakes and other pastries manufacturing	\$643,000	6.71
Other snack food manufacturing	\$354,000	0.49
Roasted nuts and peanut butter manufacturing	\$231,000	0.48
Commercial logging	\$83,000	1.62
Forestry, forest products, and timber tract production	\$35,000	0.47
Commercial hunting and trapping	\$17,000	0.99
Vegetable and melon farming	\$11,000	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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