



Allen County, Kansas

2021 ECONOMIC CONTRIBUTION REPORT

AUGUST 20, 2021

Farm Statistics, Allen County

Number of Farms: 505

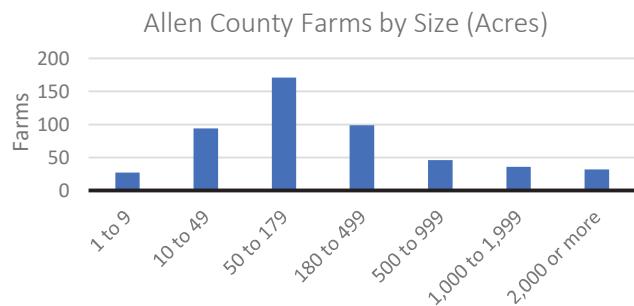
Average Farm Size: 475 acres

Land in Farms: 239,906 acres

Average Value of Products Sold Per Farm: \$94,921

Average Net Cash Farm Income Per Farm: \$24,764

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. These reports serve as important information tools for stakeholders and the general public. In this report, the model analyzes the effects of agriculture on the Allen County, Kansas, economy. For the estimated current year (2021), 27 agriculture and agriculture-related sectors directly contribute \$482 million in output and 1,116 jobs to the Allen County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$525 million in output, 1,357 jobs and 13% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 27 agriculture and agriculture-related sectors have a total direct output of **\$482 million** and account for **1,116 jobs** in Allen County, as shown in the following table:

Table 1: Agriculture and Agriculture-Related Sectors' Contribution to Allen County Economy

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,116	13%	\$66,580,857	10%	\$482,664,225
Indirect Effect	146	2%	\$12,480,919	2%	\$29,812,777
Induced Effect	95	1%	\$7,340,018	1%	\$13,306,781
Total Effect	1,357	16%	\$86,401,794	13%	\$525,783,783

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

As shown in the table above, the agriculture and agriculture-related sectors provide a total impact of approximately **\$525 million** in output. These sectors also support a total of **1,357 jobs**, or 16% of the county's entire workforce. Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 27 agriculture and agriculture-related sectors is approximately **\$86 million**, or 13% of the GRP.

Top Ten Sectors by Output

The table below shows Allen County's top ten sectors by output, including direct, indirect and induced effects. The *soybean and other oilseed processing* sector is the top contributor in output to the Allen County economy, with approximately **\$155 million** in total output.

Table 2: Top Ten Sectors by Output, Allen County

Sector	Total Output
Soybean and other oilseed processing	\$155,483,897.44
Animal, except poultry, slaughtering	\$119,800,490.90
Confectionery manufacturing from purchased chocolate	\$52,893,079.86
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$42,344,336.17
Other animal food manufacturing	\$38,655,394.96
Farm machinery and equipment manufacturing	\$23,825,072.96
Oilseed farming	\$18,875,200.73
Grain farming	\$12,141,425.98
Dairy cattle and milk production	\$10,253,481.18
Truck transportation	\$4,083,024.98

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 **438 jobs**. The table below also illustrates the top ten sectors by total employment, including direct, indirect and induced effects in Allen County.

Table 3: Top Ten Sectors by Employment, Allen County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	437.62
Animal, except poultry, slaughtering	197.35
Confectionery manufacturing from purchased chocolate	161.38
All other crop farming	51.91
Farm machinery and equipment manufacturing	49.20
Grain farming	47.99
Other animal food manufacturing	36.74
Soybean and other oilseed processing	34.42
Truck transportation	28.71
Oilseed farming	23.60

All Direct Agriculture Sectors

The following table is a summary of all agriculture sectors represented with output and employment levels. These values estimate the value of output and the jobs these agriculture sectors support in the Allen County economy. Generally, this analysis includes three categories: production, manufacturing or processing, and services. Note, this model does not include ethanol production or wholesale and retail sales of final products.

Table 4: All Direct Agriculture Sectors, Allen County

Sector	Total Output	Total Employment
Soybean and other oilseed processing	\$155,483,897.44	34.42
Animal, except poultry, slaughtering	\$119,800,490.90	197.35
Confectionery manufacturing from purchased chocolate	\$52,893,079.86	161.38
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$42,344,336.17	437.62
Other animal food manufacturing	\$38,655,394.96	36.74
Farm machinery and equipment manufacturing	\$23,825,072.96	49.20
Oilseed farming	\$18,875,200.73	23.60
Grain farming	\$12,141,425.98	47.99
Dairy cattle and milk production	\$10,253,481.18	22.20
Support activities for agriculture and forestry	\$1,723,265.71	8.62
All other crop farming	\$1,423,033.99	51.91
Bread and bakery product, except frozen, manufacturing	\$885,554.99	6.89
Animal production, except cattle and poultry and eggs	\$832,909.04	7.25
Veterinary services	\$792,341.27	11.83
Frozen cakes and other pastries manufacturing	\$558,847.65	6.89
Landscape and horticultural services	\$383,024.23	5.77
Other snack food manufacturing	\$330,188.59	0.62
Vegetable and melon farming	\$296,556.59	1.87
Poultry and egg production	\$291,299.09	0.38
Bottled and canned soft drinks & water	\$290,264.76	0.58
Roasted nuts and peanut butter manufacturing	\$257,809.01	0.61
Leather and hide tanning and finishing	\$148,283.65	0.63
Commercial logging	\$67,403.88	0.77
Forestry, forest products, and timber tract production	\$45,874.99	0.59
Greenhouse, nursery, and floriculture production	\$37,207.89	0.23
Tree nut farming	\$26,069.87	0.23
Fruit farming	\$1,909.43	0.01

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 (2019), adjusted for 2021 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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