



# Anderson County, Kansas

2021 ECONOMIC CONTRIBUTION REPORT

AUGUST 20, 2021

## Farm Statistics, Anderson County

Number of Farms: 611

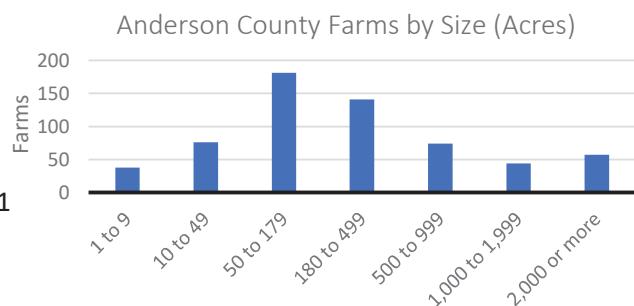
Average Farm Size: 597 acres

Land in Farms: 364,522 acres

Average Value of Products Sold Per Farm: \$178,031

Average Net Cash Farm Income Per Farm: \$62,348

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 Anderson County, Kansas, economy. For the estimated current year (2021), 28 agriculture and agriculture-related sectors directly contribute \$194 million in output and 846 jobs to the Anderson County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$228 million in output, 1,053 jobs and 30% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

### Results

In this model, the 28 agriculture and agriculture-related sectors have a total direct output of **\$194 million** and account for **846 jobs** in Anderson County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	846	21%	\$63,979,499	25%	\$194,929,879
Indirect Effect	115	3%	\$8,471,517	3%	\$20,686,065
Induced Effect	93	2%	\$6,419,648	2%	\$12,790,790
Total Effect	1,053	26%	\$78,870,664	30%	\$228,406,733

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 **\$228 million** in output. These sectors also support a total of **1,053 jobs**, or 26% 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 28 agriculture and agriculture-related sectors is approximately **\$78 million**, or 30% of the GRP.

## Top Ten Sectors by Output

The table below shows Anderson 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 Anderson County economy, with approximately **\$54 million** in total output.

Table 2: Top Ten Sectors by Output, Anderson County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$54,569,888.88
Oilseed farming	\$46,482,299.13
Grain farming	\$37,215,552.19
Poultry processing	\$32,616,155.89
Animal production, except cattle and poultry and eggs	\$8,862,158.03
Wholesale - Other nondurable goods merchant wholesalers	\$5,076,174.94
Farm machinery and equipment manufacturing	\$2,941,936.03
Support activities for agriculture and forestry	\$2,737,529.33
Owner-occupied dwellings	\$2,469,673.02
Truck transportation	\$2,273,967.29

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

Table 3: Top Ten Sectors by Employment, Anderson County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	394.93
Grain farming	104.74
Poultry processing	102.10
Support activities for agriculture and forestry	65.65
Animal production, except cattle and poultry and eggs	54.80
Oilseed farming	40.72
All other crop farming	39.36
Wholesale - Other nondurable goods merchant wholesalers	21.43
Truck transportation	15.78
Management of companies and enterprises	12.68

## 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 Anderson 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, Anderson County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$54,569,888.88	394.93
Oilseed farming	\$46,482,299.13	40.72
Grain farming	\$37,215,552.19	104.74
Poultry processing	\$32,616,155.89	102.10
Animal production, except cattle and poultry and eggs	\$8,862,158.03	54.80
Farm machinery and equipment manufacturing	\$2,941,936.03	6.60
Support activities for agriculture and forestry	\$2,737,529.33	65.65
Dairy cattle and milk production	\$2,230,307.32	3.48
All other crop farming	\$1,527,158.43	39.36
Greenhouse, nursery, and floriculture production	\$1,111,964.27	5.11
Poultry and egg production	\$919,526.90	0.87
Bread and bakery product, except frozen, manufacturing	\$572,633.07	3.96
Veterinary services	\$568,868.68	7.49
Frozen cakes and other pastries manufacturing	\$370,577.69	3.96
Other animal food manufacturing	\$343,205.15	0.34
Bottled and canned soft drinks & water	\$283,309.41	0.58
Vegetable and melon farming	\$254,191.36	1.17
Commercial logging	\$219,333.05	3.94
Other snack food manufacturing	\$213,287.35	0.42
Landscape and horticultural services	\$187,415.48	3.28
Roasted nuts and peanut butter manufacturing	\$171,736.95	0.42
Leather and hide tanning and finishing	\$147,280.96	0.63
Animal, except poultry, slaughtering	\$116,721.91	0.19
Meat processed from carcasses	\$87,979.13	0.19
Rendering and meat byproduct processing	\$75,187.48	0.19
Fruit farming	\$44,340.44	0.25
Tree nut farming	\$32,752.88	0.21
Forestry, forest products, and timber tract production	\$26,581.27	0.40

## 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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