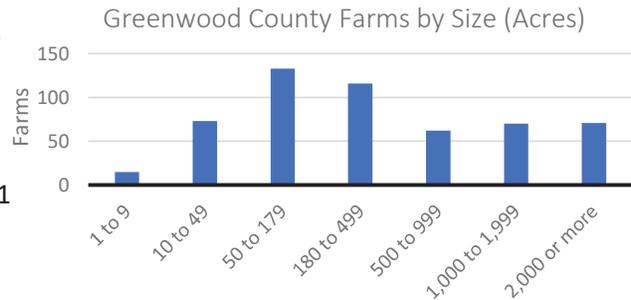


## Farm Statistics, Greenwood County

Number of Farms: 540  
Average Farm Size: 1,141 acres  
Land in Farms: 616,017 acres  
Average Value of Products Sold Per Farm: \$195,311  
Average Net Cash Farm Income Per Farm: \$30,059

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 Greenwood County, Kansas, economy. For the estimated current year (2021), 21 agriculture and agriculture-related sectors directly contribute \$147 million in output and 663 jobs to the Greenwood County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$172 million in output, 812 jobs and 28% of the total Gross Regional Product (GRP).

## Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

### Results

In this model, the 21 agriculture and agriculture-related sectors have a total direct output of **\$147 million** and account for **663 jobs** in Greenwood County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	663	20%	\$37,082,805	23%	\$147,825,255
Indirect Effect	118	3%	\$5,848,671	4%	\$20,032,994
Induced Effect	30	1%	\$1,961,414	1%	\$4,295,659
<b>Total Effect</b>	<b>812</b>	<b>24%</b>	<b>\$44,892,890</b>	<b>28%</b>	<b>\$172,153,908</b>

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 **\$172 million** in output. These sectors also support a total of **812 jobs**, or 24% 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 21 agriculture and agriculture-related sectors is approximately **\$44 million**, or 28% of the GRP.

## Top Ten Sectors by Output

The table below shows Greenwood 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 Greenwood County economy, with approximately **\$99 million** in total output.

Table 2: Top Ten Sectors by Output, Greenwood County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$99,106,229.54
Flour milling	\$27,447,399.70
Oilseed farming	\$11,148,601.68
Grain farming	\$5,021,832.58
Truck transportation	\$4,183,654.41
Wholesale - Other nondurable goods merchant wholesalers	\$3,604,935.36
Other real estate	\$3,523,625.30
Oil and gas extraction	\$1,721,788.52
Electric power transmission and distribution	\$1,426,119.96
All other crop farming	\$1,112,588.91

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

Table 3: Top Ten Sectors by Employment, Greenwood County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	540.54
All other crop farming	32.61
Truck transportation	30.28
Flour milling	26.17
Other real estate	24.32
Grain farming	20.79
Wholesale - Other nondurable goods merchant wholesalers	18.11
Greenhouse, nursery, and floriculture production	11.51
Oilseed farming	7.59
Support activities for agriculture and forestry	6.41

## 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 Greenwood 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, Greenwood County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$99,106,229.54	540.54
Flour milling	\$27,447,399.70	26.17
Oilseed farming	\$11,148,601.68	7.59
Grain farming	\$5,021,832.58	20.79
All other crop farming	\$1,112,588.91	32.61
Greenhouse, nursery, and floriculture production	\$741,309.51	11.51
Poultry and egg production	\$587,942.49	1.26
Animal production, except cattle and poultry and eggs	\$566,193.36	4.79
Support activities for agriculture and forestry	\$412,044.68	6.41
Bread and bakery product, except frozen, manufacturing	\$304,889.79	2.55
Bottled and canned soft drinks & water	\$278,672.50	0.58
Other animal food manufacturing	\$276,509.92	0.28
Frozen cakes and other pastries manufacturing	\$187,826.45	2.56
Other snack food manufacturing	\$161,733.98	0.35
Veterinary services	\$144,202.72	2.27
Roasted nuts and peanut butter manufacturing	\$135,391.64	0.34
Fruit farming	\$61,938.80	0.93
Vegetable and melon farming	\$61,620.05	0.72
Tree nut farming	\$26,419.53	0.39
Commercial logging	\$24,780.20	0.35
Forestry, forest products, and timber tract production	\$17,127.07	0.33

## 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.

---

## Contact

*Tori Laird*

*Agency Economist*

*AgEconomist@ks.gov*

*785-564-6726*

*Division of Agricultural Marketing, Advocacy, and Outreach*

*Kansas Department of Agriculture*

*1320 Research Park Drive, Manhattan, Kansas 66502*

*agriculture.ks.gov*