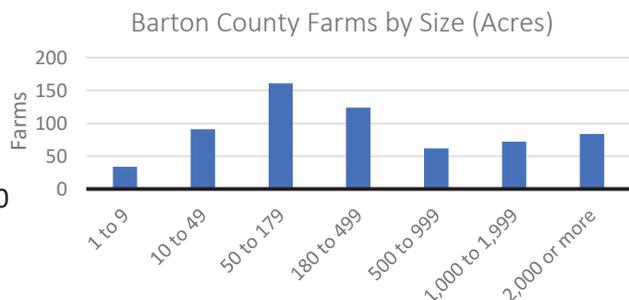


Farm Statistics, Barton County

Number of Farms: 628
Average Farm Size: 888 acres
Land in Farms: 557,961 acres
Average Value of Products Sold Per Farm: \$582,280
Average Net Cash Farm Income Per Farm: \$77,416

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 Barton County, Kansas, economy. For the estimated current year (2021), 27 agriculture and agriculture-related sectors directly contribute \$402 million in output and 1,232 jobs to the Barton County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$524 million in output, 1,943 jobs and 12% 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 **\$402 million** and account for **1,232 jobs** in Barton County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,232	6%	\$95,946,492	8%	\$402,328,223
Indirect Effect	443	2%	\$37,081,574	3%	\$86,832,351
Induced Effect	268	1%	\$18,431,152	1%	\$35,374,129
Total Effect	1,943	10%	\$151,459,218	12%	\$524,534,703

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 **\$524 million** in output. These sectors also support a total of **1,943 jobs**, or 10% 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 **\$151 million**, or 12% of the GRP.

Top Ten Sectors by Output

The table below shows Barton 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 Barton County economy, with approximately **\$149 million** in total output.

Table 2: Top Ten Sectors by Output, Barton County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$149,907,433.43
Dog and cat food manufacturing	\$124,685,682.17
Grain farming	\$64,414,499.56
Other real estate	\$20,308,991.34
Other animal food manufacturing	\$19,599,372.03
Wholesale - Other nondurable goods merchant wholesalers	\$15,225,315.04
Oilseed farming	\$11,142,363.04
Truck transportation	\$10,970,584.40
All other crop farming	\$7,070,820.66
Oil and gas extraction	\$6,236,944.95

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

Table 3: Top Ten Sectors by Employment, Barton County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	492.82
Support activities for agriculture and forestry	150.34
Grain farming	140.40
Dog and cat food manufacturing	136.57
Other real estate	124.67
All other crop farming	113.96
Truck transportation	65.01
Landscape and horticultural services	60.82
Wholesale - Other nondurable goods merchant wholesalers	57.64
Veterinary services	55.17

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 Barton 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, Barton County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$149,907,433.43	492.82
Dog and cat food manufacturing	\$124,685,682.17	136.57
Grain farming	\$64,414,499.56	140.40
Other animal food manufacturing	\$19,599,372.03	18.26
Oilseed farming	\$11,142,363.04	4.54
All other crop farming	\$7,070,820.66	113.96
Landscape and horticultural services	\$4,933,517.67	60.82
Veterinary services	\$4,718,822.02	55.17
Support activities for agriculture and forestry	\$4,171,492.09	150.34
Dairy cattle and milk production	\$2,848,855.31	4.53
Animal production, except cattle and poultry and eggs	\$2,683,397.23	12.10
Bread and bakery product, except frozen, manufacturing	\$1,940,980.73	14.35
Frozen cakes and other pastries manufacturing	\$1,225,148.04	14.36
Greenhouse, nursery, and floriculture production	\$741,309.51	5.54
Other snack food manufacturing	\$603,838.88	1.14
Roasted nuts and peanut butter manufacturing	\$474,325.62	1.12
Bottled and canned soft drinks & water	\$266,125.83	0.58
Vegetable and melon farming	\$254,191.36	1.47
Poultry and egg production	\$139,871.73	0.15
Leather and hide tanning and finishing	\$126,399.97	0.63
Commercial logging	\$109,513.17	1.14
Forestry, forest products, and timber tract production	\$82,221.88	1.08
Animal, except poultry, slaughtering	\$65,861.23	0.10
Meat processed from carcasses	\$49,618.58	0.10
Rendering and meat byproduct processing	\$42,639.33	0.11
Fruit farming	\$26,711.38	0.20
Tree nut farming	\$3,210.36	0.02

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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