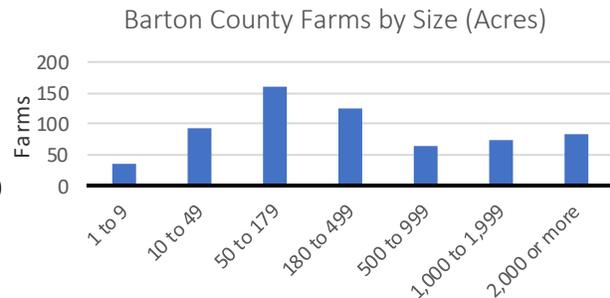


Farm Statistics, Barton County

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. 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 Barton County, Kansas economy. For the estimated current year (2022), 25 agriculture and agriculture-related sectors directly contribute \$439 million in output and 1,276 jobs to the Barton County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$598 million in output, 2,240 jobs and 15% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 25 agriculture and agriculture-related sectors have a total direct output of \$439 million and account for 1,276 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	1,276	7%	\$101,703,000	9%	\$439,147,000
Indirect Effect	510	3%	\$42,806,000	4%	\$98,306,000
Induced Effect	455	3%	\$31,176,000	3%	\$60,224,000
Total Effect	2,240	13%	\$175,686,000	15%	\$597,678,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$598 million in output. These sectors also support a total of 2,240 jobs, or 13% 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 25 agriculture and agriculture-related sectors is 176 million, or 15% 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 \$153 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	\$153,014,000
Dog and cat food manufacturing	\$139,603,000
Grain farming	\$76,672,000
Other real estate	\$24,541,000
Other animal food manufacturing	\$22,238,000
Other nondurable goods merchant wholesalers	\$16,998,000
Oilseed farming	\$15,363,000
Truck transportation	\$12,386,000
Owner-occupied dwellings	\$8,841,000
All other crop farming	\$8,382,000

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 458 jobs. Table 3 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	457.72
Support activities for agriculture and forestry	206.79
Grain farming	157.01
Other real estate	153.32
Dog and cat food manufacturing	126.71
All other crop farming	122.12
Truck transportation	68.12
Landscape and horticultural services	67.15
Other nondurable goods merchant wholesalers	63.82
Veterinary services	53.41

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 Barton 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, Barton County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$153,014,000	457.72
Dog and cat food manufacturing	\$139,603,000	126.71
Grain farming	\$76,672,000	157.01
Other animal food manufacturing	\$22,238,000	19.32
Oilseed farming	\$15,363,000	5.93
All other crop farming	\$8,382,000	122.12
Landscape and horticultural services	\$5,841,000	67.15
Veterinary services	\$4,306,000	53.41
Dairy cattle and milk production	\$2,537,000	3.31
Bread and bakery product, except frozen, manufacturing	\$2,312,000	14.65
Animal production, except cattle and poultry and eggs	\$2,245,000	8.63
Support activities for agriculture and forestry	\$1,820,000	206.79
Frozen cakes and other pastries manufacturing	\$1,441,000	14.66
Greenhouse, nursery, and floriculture production	\$901,000	6.13
Other snack food manufacturing	\$811,000	1.05
Roasted nuts and peanut butter manufacturing	\$506,000	1.03
Vegetable and melon farming	\$345,000	1.75
Bottled and canned soft drinks & water	\$276,000	0.58
Commercial logging	\$197,000	3.72
Poultry and egg production	\$170,000	0.16
Forestry, forest products, and timber tract production	\$87,000	1.00
Commercial hunting and trapping	\$51,000	2.34
Fruit farming	\$27,000	0.17
Tree nut farming	\$3,000	0.02
Fiber, yarn, and thread mills	\$1,000	0.16

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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