



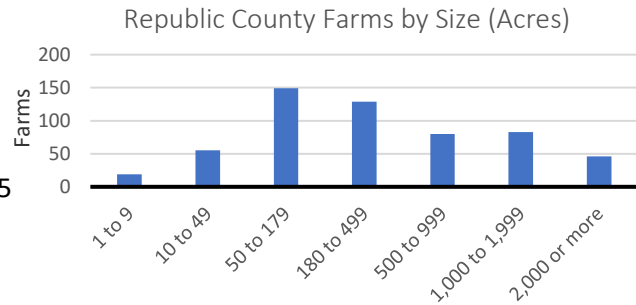
Republic County, Kansas

2022 ECONOMIC CONTRIBUTION REPORT
AUGUST 31, 2022

Farm Statistics, Republic County

Number of Farms: 561
Average Farm Size: 665 acres
Land in Farms: 373,206 acres
Average Value of Products Sold Per Farm: \$334,275
Average Net Cash Farm Income Per Farm: \$56,379

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 Republic County, Kansas economy. For the estimated current year (2022), 25 agriculture and agriculture-related sectors directly contribute \$268 million in output and 835 jobs to the Republic County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$324 million in output, 1,197 jobs and 45% 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 \$268 million and account for 835 jobs in Republic County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	835	26%	\$68,152,000	34%	\$268,116,000
Indirect Effect	176	6%	\$11,017,000	5%	\$31,429,000
Induced Effect	187	6%	\$12,247,000	6%	\$24,312,000
Total Effect	1,197	38%	\$91,416,000	45%	\$323,859,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$324 million in output. These sectors also support a total of 1,197 jobs, or 38% 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 91 million, or 45% of the GRP.

Top Ten Sectors by Output

The table below shows Republic County’s top ten sectors by output, including direct, indirect and induced effects. The *grain farming* sector is the top contributor in output to the Republic County economy, with \$78 million in total output.

Table 2: Top Ten Sectors by Output, Republic County

Sector	Total Output
Grain farming	\$77,695,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$71,919,000
Oilseed farming	\$50,475,000
Dog and cat food manufacturing	\$42,878,000
Farm machinery and equipment manufacturing	\$10,254,000
Wholesale - Other nondurable goods merchant wholesalers	\$9,997,000
Animal production, except cattle and poultry and eggs	\$5,211,000
Owner-occupied dwellings	\$4,983,000
Other real estate	\$4,255,000
Hospitals	\$3,985,000

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 305 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect and induced effects in Republic County.

Table 3: Top Ten Sectors by Employment, Republic County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	305.25
Grain farming	200.42
Support activities for agriculture and forestry	128.94
All other crop farming	67.37
Wholesale - Other nondurable goods merchant wholesalers	44.94
Dog and cat food manufacturing	38.72
Other real estate	33.04
Oilseed farming	27.47
Animal production, except cattle and poultry and eggs	25.55
Hospitals	25.19

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 Republic 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, Republic County

Sector	Total Output	Total Employment
Grain farming	\$77,695,000	200.42
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$71,919,000	305.25
Oilseed farming	\$50,475,000	27.47
Dog and cat food manufacturing	\$42,878,000	38.72
Farm machinery and equipment manufacturing	\$10,254,000	20.33
Animal production, except cattle and poultry and eggs	\$5,211,000	25.55
All other crop farming	\$3,523,000	67.37
Support activities for agriculture and forestry	\$2,267,000	128.94
Other animal food manufacturing	\$1,161,000	1.11
Veterinary services	\$690,000	8.31
Vegetable and melon farming	\$345,000	2.04
Bread and bakery product, except frozen, manufacturing	\$322,000	2.10
Bottled and canned soft drinks & water	\$320,000	0.58
Greenhouse, nursery, and floriculture production	\$275,000	2.13
Other snack food manufacturing	\$231,000	0.33
Frozen cakes and other pastries manufacturing	\$204,000	2.10
Roasted nuts and peanut butter manufacturing	\$154,000	0.32
Poultry and egg production	\$45,000	0.05
Fiber, yarn, and thread mills	\$44,000	0.16
Commercial logging	\$29,000	0.33
Landscape and horticultural services	\$23,000	0.22
Forestry, forest products, and timber tract production	\$22,000	0.31
Fruit farming	\$16,000	0.12
Commercial hunting and trapping	\$11,000	0.60
Tree nut farming	\$2,000	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 (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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