



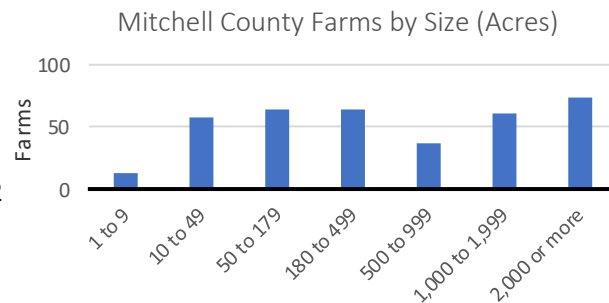
Mitchell County, Kansas

2022 ECONOMIC CONTRIBUTION REPORT
AUGUST 31, 2022

Farm Statistics, Mitchell County

Number of Farms: 365
Average Farm Size: 1,135 acres
Land in Farms: 414,220 acres
Average Value of Products Sold Per Farm: \$346,472
Average Net Cash Farm Income Per Farm: \$43,310

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 Mitchell County, Kansas economy. For the estimated current year (2022), 26 agriculture and agriculture-related sectors directly contribute \$335 million in output and 837 jobs to the Mitchell County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$422 million in output, 1,359 jobs and 33% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 26 agriculture and agriculture-related sectors have a total direct output of \$335 million and account for 837 jobs in Mitchell County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	837	18%	\$81,417,000	22%	\$334,595,000
Indirect Effect	354	8%	\$28,771,000	8%	\$64,198,000
Induced Effect	168	4%	\$13,065,000	4%	\$23,635,000
Total Effect	1,359	29%	\$123,255,000	33%	\$422,430,000

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

The agriculture and agriculture-related sectors provide a total estimated impact of \$422 million in output. These sectors also support a total of 1,359 jobs, or 29% 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 26 agriculture and agriculture-related sectors is 123 million, or 33% of the GRP.

Top Ten Sectors by Output

The table below shows Mitchell County’s top ten sectors by output, including direct, indirect and induced effects. The *farm machinery and equipment manufacturing* sector is the top contributor in output to the Mitchell County economy, with \$116 million in total output.

Table 2: Top Ten Sectors by Output, Mitchell County

Sector	Total Output
Farm machinery and equipment manufacturing	\$116,376,000
Grain farming	\$63,444,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$45,936,000
Meat processed from carcasses	\$35,311,000
Oilseed farming	\$25,786,000
Support activities for agriculture and forestry	\$18,416,000
Other nondurable goods merchant wholesalers	\$13,778,000
Other animal food manufacturing	\$13,634,000
Other real estate	\$8,981,000
Machinery, equipment, and supplies	\$8,242,000

Top Ten Sectors by Employment

Of the agriculture and agriculture-related sectors, *farm machinery and equipment manufacturing* supports the most jobs in the county with 215 jobs. Table 3 illustrates the top ten sectors by total employment, including direct, indirect and induced effects in Mitchell County.

Table 3: Top Ten Sectors by Employment, Mitchell County

Sector	Total Employment
Farm machinery and equipment manufacturing	214.58
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	188.22
Grain farming	141.67
Meat processed from carcasses	69.46
Other real estate	66.12
Support activities for agriculture and forestry	64.92
All other crop farming	62.30
Other nondurable goods merchant wholesalers	49.89
Truck transportation	41.94
Machinery, equipment, and supplies	31.96

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 Mitchell 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, Mitchell County

Sector	Total Output	Total Employment
Farm machinery and equipment manufacturing	\$116,376,000	214.58
Grain farming	\$63,444,000	141.67
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$45,936,000	188.22
Meat processed from carcasses	\$35,311,000	69.46
Oilseed farming	\$25,786,000	13.48
Support activities for agriculture and forestry	\$18,416,000	64.92
Other animal food manufacturing	\$13,634,000	11.29
All other crop farming	\$3,613,000	62.30
Animal production, except cattle and poultry and eggs	\$3,585,000	15.40
Dairy cattle and milk production	\$2,537,000	3.30
Commercial hunting and trapping	\$1,270,000	22.23
Greenhouse, nursery, and floriculture production	\$901,000	5.37
Veterinary services	\$837,000	10.07
Bread and bakery product, except frozen, manufacturing	\$820,000	5.26
Frozen cakes and other pastries manufacturing	\$512,000	5.26
Poultry and egg production	\$462,000	0.42
Bottled and canned soft drinks & water	\$312,000	0.58
Other snack food manufacturing	\$265,000	0.35
Roasted nuts and peanut butter manufacturing	\$169,000	0.35
Commercial logging	\$161,000	1.17
Vegetable and melon farming	\$115,000	0.54
Fiber, yarn, and thread mills	\$42,000	0.16
Fruit farming	\$35,000	0.21
Forestry, forest products, and timber tract production	\$27,000	0.34
Landscape and horticultural services	\$26,000	0.29
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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