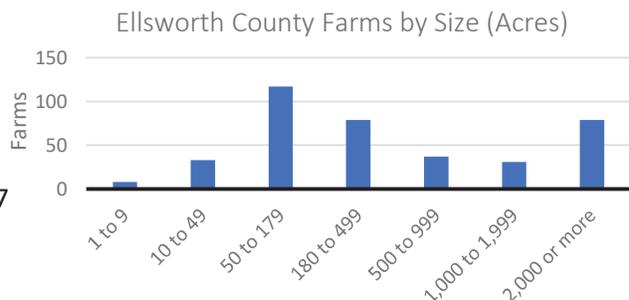


Farm Statistics, Ellsworth County

Number of Farms: 384
 Average Farm Size: 1,016 acres
 Land in Farms: 390,042 acres
 Average Value of Products Sold Per Farm: \$125,827
 Average Net Cash Farm Income Per Farm: \$41,904

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 Ellsworth County, Kansas, economy. For the estimated current year (2021), 24 agriculture and agriculture-related sectors directly contribute \$196 million in output and 667 jobs to the Ellsworth County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$227 million in output, 854 jobs and 19% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 24 agriculture and agriculture-related sectors have a total direct output of **\$196 million** and account for **667 jobs** in Ellsworth County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	667	18%	\$40,823,727	15%	\$196,861,728
Indirect Effect	148	4%	\$9,509,539	3%	\$24,777,396
Induced Effect	39	1%	\$2,972,464	1%	\$5,690,546
Total Effect	854	23%	\$53,305,730	19%	\$227,329,669

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 **\$227 million** in output. These sectors also support a total of **854 jobs**, or 23% 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 24 agriculture and agriculture-related sectors is approximately **\$53 million**, or 19% of the GRP.

Top Ten Sectors by Output

The table below shows Ellsworth County's top ten sectors by output, including direct, indirect and induced effects. The *animal, except poultry, slaughtering* sector is the top contributor in output to the Ellsworth County economy, with approximately **\$68 million** in total output.

Table 2: Top Ten Sectors by Output, Ellsworth County

Sector	Total Output
Animal, except poultry, slaughtering	\$68,539,042.82
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$46,344,639.71
Farm machinery and equipment manufacturing	\$31,598,086.80
Grain farming	\$25,305,612.42
Other chemical and fertilizer mineral mining	\$11,079,540.75
Animal production, except cattle and poultry and eggs	\$6,445,736.48
Wholesale - Other nondurable goods merchant wholesalers	\$6,340,966.58
Truck transportation	\$4,722,617.61
Oilseed farming	\$2,889,757.81
Other real estate	\$2,640,273.37

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

Table 3: Top Ten Sectors by Employment, Ellsworth County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	282.90
Animal, except poultry, slaughtering	107.28
Grain farming	70.15
Farm machinery and equipment manufacturing	61.36
Other chemical and fertilizer mineral mining	53.73
Truck transportation	38.54
Animal production, except cattle and poultry and eggs	38.46
All other crop farming	26.54
Wholesale - Other nondurable goods merchant wholesalers	25.65
Other real estate	17.69

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 Ellsworth 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, Ellsworth County

Sector	Total Output	Total Employment
Animal, except poultry, slaughtering	\$68,539,042.82	107.28
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$46,344,639.71	282.90
Farm machinery and equipment manufacturing	\$31,598,086.80	61.36
Grain farming	\$25,305,612.42	70.15
Other chemical and fertilizer mineral mining	\$11,079,540.75	53.73
Animal production, except cattle and poultry and eggs	\$6,445,736.48	38.46
Oilseed farming	\$2,889,757.81	2.15
All other crop farming	\$1,120,301.83	26.54
Veterinary services	\$609,937.39	6.53
Other animal food manufacturing	\$519,155.44	0.50
Support activities for agriculture and forestry	\$446,041.16	8.06
Other snack food manufacturing	\$379,664.92	0.70
Greenhouse, nursery, and floriculture production	\$370,654.76	2.32
Roasted nuts and peanut butter manufacturing	\$294,918.47	0.69
Bottled and canned soft drinks & water	\$283,309.41	0.58
Bread and bakery product, except frozen, manufacturing	\$188,929.22	1.41
Vegetable and melon farming	\$127,095.68	0.70
Frozen cakes and other pastries manufacturing	\$122,873.02	1.42
Commercial logging	\$70,090.90	0.70
Forestry, forest products, and timber tract production	\$53,641.28	0.67
Poultry and egg production	\$52,994.13	0.06
Landscape and horticultural services	\$13,311.03	0.17
Fruit farming	\$5,437.39	0.04
Tree nut farming	\$954.72	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 (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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