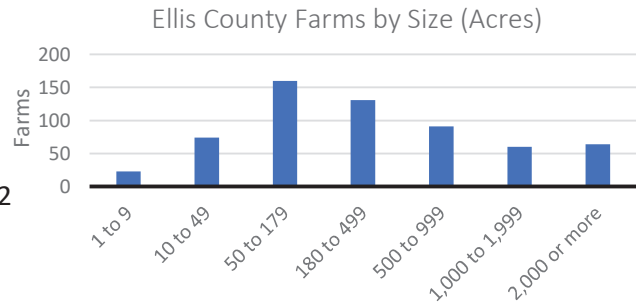


Farm Statistics, Ellis County

Number of Farms: 603
Average Farm Size: 832 acres
Land in Farms: 501,699 acres
Average Value of Products Sold Per Farm: \$107,812
Average Net Cash Farm Income Per Farm: \$23,978

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 Ellis County, Kansas, economy. For the estimated current year (2021), 25 agriculture and agriculture-related sectors directly contribute \$119 million in output and 978 jobs to the Ellis County economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$167 million in output, 1,298 jobs and 3% 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 **\$119 million** and account for **978 jobs** in Ellis County, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	978	4%	\$27,438,802	2%	\$119,216,851
Indirect Effect	170	1%	\$10,987,224	1%	\$28,553,133
Induced Effect	150	1%	\$10,245,405	1%	\$19,303,937
Total Effect	1,298	5%	\$48,671,430	3%	\$167,073,921

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 **\$167 million** in output. These sectors also support a total of **1,298 jobs**, or 5% 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 25 agriculture and agriculture-related sectors is approximately **\$48 million**, or 3% of the GRP.

Top Ten Sectors by Output

The table below shows Ellis 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 Ellis County economy, with approximately **\$44 million** in total output.

Table 2: Top Ten Sectors by Output, Ellis County

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$44,760,982.75
Grain farming	\$31,016,682.61
Other snack food manufacturing	\$8,595,001.27
Wholesale - Other nondurable goods merchant wholesalers	\$6,541,103.76
Landscape and horticultural services	\$5,595,943.42
Other real estate	\$5,250,418.43
Support activities for agriculture and forestry	\$4,335,914.51
Breweries	\$4,126,250.19
Veterinary services	\$3,940,286.32
Truck transportation	\$3,845,985.97

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

Table 3: Top Ten Sectors by Employment, Ellis County

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	434.44
Grain farming	139.48
Support activities for agriculture and forestry	102.89
Landscape and horticultural services	80.62
All other crop farming	56.05
Veterinary services	46.95
Truck transportation	36.30
Other real estate	34.31
Bread and bakery product, except frozen, manufacturing	22.87
Wholesale - Other nondurable goods merchant wholesalers	22.59

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 Ellis 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, Ellis County

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$44,760,982.75	434.44
Grain farming	\$31,016,682.61	139.48
Other snack food manufacturing	\$8,595,001.27	18.81
Landscape and horticultural services	\$5,595,943.42	80.62
Support activities for agriculture and forestry	\$4,335,914.51	102.89
Breweries	\$4,126,250.19	12.17
Veterinary services	\$3,940,286.32	46.95
Fluid milk manufacturing	\$3,279,497.84	4.97
Bread and bakery product, except frozen, manufacturing	\$2,979,373.11	22.87
Animal, except poultry, slaughtering	\$1,946,722.87	3.24
Frozen cakes and other pastries manufacturing	\$1,618,595.35	20.00
Other animal food manufacturing	\$1,585,596.94	1.46
All other crop farming	\$1,471,239.75	56.05
Roasted nuts and peanut butter manufacturing	\$943,606.60	2.20
Animal production, except cattle and poultry and eggs	\$739,774.87	7.14
Greenhouse, nursery, and floriculture production	\$370,654.76	3.89
Commercial hunting and trapping	\$346,951.32	11.31
Vegetable and melon farming	\$338,921.82	3.09
Commercial logging	\$241,130.08	2.60
Oilseed farming	\$232,548.44	0.27
Forestry, forest products, and timber tract production	\$172,999.95	2.13
Meat processed from carcasses	\$172,696.45	0.36
Rendering and meat byproduct processing	\$148,675.92	0.37
Leather and hide tanning and finishing	\$136,172.01	0.63
Poultry and egg production	\$120,631.48	0.21

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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