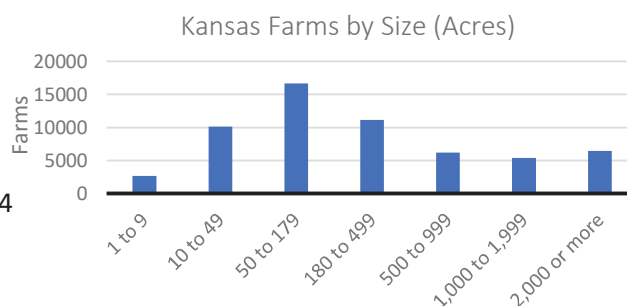


Farm Statistics, Kansas

Number of Farms: 58,569
Average Farm Size: 781 acres
Land in Farms: 45,759,319 acres
Average Value of Products Sold Per Farm: \$320,964
Average Net Cash Farm Income Per Farm: \$49,291

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 State of Kansas economy. For the estimated current year (2021), 72 agriculture and agriculture-related sectors directly contribute \$47.3 billion in output and 135,786 jobs to the Kansas economy. Including indirect and induced effects, agriculture and agriculture-related sectors have a total impact of \$67 billion in output, 238,543 jobs and 12% of the total Gross Regional Product (GRP).

Estimated Economic Contribution of Agriculture

Methodology and Glossary on final page

Results

In this model, the 72 agriculture and agriculture-related sectors have a total direct output of **\$47.3 billion** and account for **135,786 jobs** in Kansas, as shown in the following table:

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

Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	135,786	7%	\$11,313,479,891	6%	\$47,344,413,106
Indirect Effect	60,527	3%	\$6,458,754,443	4%	\$13,093,572,023
Induced Effect	42,230	2%	\$3,691,779,649	2%	\$6,596,970,211
Total Effect	238,543	12%	\$21,464,013,983	12%	\$67,034,955,340

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 **\$67 billion** in output. These sectors also support a total of **238,543 jobs**, or 12% of the state’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 72 agriculture and agriculture-related sectors is approximately **\$21.5 billion**, or 12% of the GRP.

Top Ten Sectors by Output

The table below shows Kansas'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 Kansas economy, with approximately **\$8.8 billion** in total output.

Table 2: Top Ten Sectors by Output, Kansas

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$8,760,723,353.14
Animal, except poultry, slaughtering	\$7,453,505,455.66
Grain farming	\$5,191,493,432.67
Meat processed from carcasses	\$3,452,714,004.37
Farm machinery and equipment manufacturing	\$2,719,294,669.27
Dog and cat food manufacturing	\$2,684,012,367.73
Other real estate	\$1,959,168,055.21
Wholesale - Other nondurable goods merchant wholesalers	\$1,843,311,077.73
Other animal food manufacturing	\$1,732,968,505.84
Oilseed farming	\$1,633,277,362.75

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 state with **37,382 jobs**. The table below also illustrates the top ten sectors by total employment, including direct, indirect and induced effects in Kansas.

Table 3: Top Ten Sectors by Employment, Kansas

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	37,382.26
Grain farming	13,149.34
Animal, except poultry, slaughtering	11,551.73
Support activities for agriculture and forestry	11,059.53
Other real estate	10,475.20
Landscape and horticultural services	9,139.89
Truck transportation	8,634.06
Meat processed from carcasses	7,173.87
Wholesale - Other nondurable goods merchant wholesalers	6,439.76
All other crop farming	5,998.29

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 Kansas 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, Kansas

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$8,760,723,353.14	37,382.26
Animal, except poultry, slaughtering	\$7,453,505,455.66	11,551.73
Grain farming	\$5,191,493,432.67	13,149.34
Meat processed from carcasses	\$3,452,714,004.37	7,173.87
Farm machinery and equipment manufacturing	\$2,719,294,669.27	5,247.00
Dog and cat food manufacturing	\$2,684,012,367.73	2,669.00
Other animal food manufacturing	\$1,732,968,505.84	1,539.63
Oilseed farming	\$1,633,277,362.75	1,393.55
Flour milling	\$1,512,700,905.22	1,302.14
All other food manufacturing	\$891,516,918.50	2,161.95
Landscape and horticultural services	\$829,071,995.06	9,139.89
Dairy cattle and milk production	\$696,489,749.66	1,025.87
Soybean and other oilseed processing	\$681,929,966.32	146.44
Animal production, except cattle and poultry and eggs	\$626,505,547.48	3,549.74
Other snack food manufacturing	\$616,855,497.34	1,099.56
Support activities for agriculture and forestry	\$593,956,784.68	11,059.53
Confectionery manufacturing from purchased chocolate	\$544,674,595.77	1,517.83
Spice and extract manufacturing	\$477,205,993.05	653.77
Bread and bakery product, except frozen, manufacturing	\$476,957,680.54	2,961.84
Fats and oils refining and blending	\$456,138,311.07	289.70
Bottled and canned soft drinks & water	\$442,117,219.19	709.21
Lawn and garden equipment manufacturing	\$427,830,723.14	781.76
Frozen specialties manufacturing	\$415,994,628.41	1,137.32
Wet corn milling	\$402,628,961.15	223.73
Veterinary services	\$329,810,624.06	3,661.08
Nitrogenous fertilizer manufacturing	\$323,766,456.85	250.01
Fluid milk manufacturing	\$284,918,324.61	392.23
Cookie and cracker manufacturing	\$278,517,045.03	662.25
All other crop farming	\$250,402,884.58	5,998.29
Dry, condensed, and evaporated dairy product manufacturing	\$212,897,585.69	174.42
Food product machinery manufacturing	\$212,373,149.03	705.56
Frozen cakes and other pastries manufacturing	\$132,332,287.17	1,482.84
Frozen fruits, juices and vegetables manufacturing	\$114,229,142.58	210.82

Sector	Total Output	Total Employment
Cotton farming	\$103,613,096.33	763.55
Paper mills	\$94,505,506.86	125.31
Cheese manufacturing	\$83,093,926.70	92.31
Breweries	\$82,479,105.72	248.65
Poultry and egg production	\$79,209,923.27	97.59
Canned fruits and vegetables manufacturing	\$75,838,570.78	145.35
Fertilizer mixing	\$74,985,597.37	125.18
Flavoring syrup and concentrate manufacturing	\$74,106,942.58	36.49
Greenhouse, nursery, and floriculture production	\$61,449,926.33	461.04
Pesticide and other agricultural chemical manufacturing	\$60,304,468.32	44.35
Paperboard mills	\$58,436,860.48	64.38
Roasted nuts and peanut butter manufacturing	\$56,615,246.64	131.56
Tobacco product manufacturing	\$51,258,943.94	17.13
Phosphatic fertilizer manufacturing	\$48,616,095.93	54.16
Poultry processing	\$42,084,628.02	128.68
Wineries	\$40,162,936.70	145.53
Dry pasta, mixes, and dough manufacturing	\$37,349,383.74	68.69
Coffee and tea manufacturing	\$37,110,871.60	60.44
Distilleries	\$36,259,830.89	41.29
Other chemical and fertilizer mineral mining	\$32,333,517.05	131.62
Ice cream and frozen dessert manufacturing	\$31,197,639.11	82.29
Tortilla manufacturing	\$29,969,918.05	126.71
Nonchocolate confectionery manufacturing	\$24,924,451.76	53.31
Rendering and meat byproduct processing	\$24,679,609.23	55.97
Commercial logging	\$20,296,306.12	297.99
Vegetable and melon farming	\$20,087,243.65	121.84
Chocolate and confectionery manufacturing from cacao beans	\$16,364,767.03	31.05
Leather and hide tanning and finishing	\$14,174,580.56	57.04
Dehydrated food products manufacturing	\$13,455,104.35	28.31
Fiber, yarn, and thread mills	\$12,956,936.26	45.22
Forestry, forest products, and timber tract production	\$10,584,853.75	127.02
Sawmill, woodworking, and paper machinery	\$9,595,885.96	33.03
Commercial hunting and trapping	\$8,200,850.31	202.83
Sawmills	\$4,009,984.20	13.21
Tree nut farming	\$3,541,008.43	32.36
Other leather and allied product manufacturing	\$3,235,327.72	36.58
Fruit farming	\$3,153,699.99	28.49
Knit fabric mills	\$2,691,092.70	14.65
Narrow fabric mills and schiffli machine embroidery	\$1,666,339.84	10.85

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 state
- *Induced effect*: the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- *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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