

## Scott County

### Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/28/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 18 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Scott County economy.<sup>1</sup>

These 18 sectors have a total direct output of approximately **\$588.7 million** and support **851 jobs** in Scott County. Running the model for all 18 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Scott County Economy					
Contribution Type <sup>2</sup>	Employment	% Employment	Total Value Added <sup>3</sup>	Total Value Added % of Gross Regional Product <sup>4</sup>	Output <sup>5</sup>
<b>Direct Effect</b>	850.9	24.67%	\$159,968,919	49.69%	\$588,704,366
<b>Indirect Effect</b>	332.5	9.64%	\$26,870,139	8.35%	\$52,536,439
<b>Induced Effect</b>	386.0	11.19%	\$24,756,520	7.69%	\$47,497,077
<b>Total Effect</b>	1569.5	45.51%	\$211,595,579	65.73%	\$688,737,882

As shown in the above table, agriculture, food, and food processing sectors support **1,570 jobs**, or **45.51%** of the entire workforce in the county.

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 18 agriculture, food, and food processing sectors is approximately **\$211.6 million**, or **65.73% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

<sup>1</sup> Article on building a contribution analysis in IMPLAN that avoids double counting:

<https://implanhelp.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis>

<sup>2</sup> Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

<sup>3</sup> Value added = labor income + indirect business taxes + other property type income.

<sup>4</sup> GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

<sup>5</sup> Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **480 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Scott County.

<b>Top Ten Agriculture, Food, and Food Processing Sectors by Employment</b>		
<b>Sector</b>	<b>Total Employment</b>	<b>Total Output</b>
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	480.4	\$441,722,208
Support activities for agriculture and forestry	190.8	\$10,386,535
Real estate	113.3	\$7,352,286
Wholesale trade	77.2	\$16,948,087
Hospitals	48.6	\$7,506,334
Animal production, except cattle and poultry and eggs	43.2	\$19,861,874
Monetary authorities and depository credit intermediation	42.9	\$8,790,919
Limited-service restaurants	37.8	\$2,821,654
Truck transportation	33.0	\$7,726,290
Landscape and horticultural services	26.7	\$1,189,888

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately **\$441.7 million** to the Scott County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

<b>Top Ten Agriculture, Food, and Food Processing Sectors by Output</b>		
<b>Sector</b>	<b>Total Employment</b>	<b>Total Output</b>
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	480.4	\$441,722,208
Grain farming	24.9	\$53,399,338
Flour milling	26.4	\$29,867,045
Animal production, except cattle and poultry and eggs	43.2	\$19,861,874
Wholesale trade	77.2	\$16,948,087
Other animal food manufacturing	14.0	\$16,722,187
Support activities for agriculture and forestry	190.8	\$10,386,535
Owner-occupied dwellings	0.0	\$9,674,972
Monetary authorities and depository credit intermediation	42.9	\$8,790,919
Truck transportation	33.0	\$7,726,290

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Scott County economy.

<b>All Agriculture, Food, and Food Processing Sectors</b>		
<b>Sector</b>	<b>Total Employment</b>	<b>Total Output</b>
Oilseed farming	0.2	\$884,913.38
Grain farming	24.9	\$53,399,337.77
Greenhouse, nursery, and floriculture production	2.0	\$337,561.13
All other crop farming	1.3	\$539,041.88
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	480.4	\$441,722,198.49
Dairy cattle and milk production	11.0	\$6,124,930.86
Poultry and egg production	0.3	\$453,955.17
Animal production, except cattle and poultry and eggs	43.2	\$19,861,873.63
Support activities for agriculture and forestry	190.8	\$10,386,534.69
Other animal food manufacturing	14.0	\$16,722,187.04
Flour milling	26.4	\$29,867,044.45
Animal, except poultry, slaughtering	5.0	\$3,272,235.87
Bread and bakery product, except frozen, manufacturing	3.6	\$408,523.11
Frozen cakes and other pastries manufacturing	0.2	\$32,604.05
Bottled and canned soft drinks & water	0.7	\$443,178.36
Farm machinery and equipment manufacturing	2.6	\$952,019.93
Veterinary services	17.7	\$2,106,327.30
Landscape and horticultural services	26.7	\$1,189,887.88

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Scott County, the retail sector was omitted.