

Finney County

Estimated Economic Impact of Agriculture, Food, and Food Processing Sectors

6/11/2018

Using the most recent IMPLAN data available (2016) adjusted for 2018, 25 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Finney County economy.¹

These 25 sectors have a total direct output of approximately **\$2.58 billion** and support **4,776 jobs** in Finney County. Running the model for all 25 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Finney County Economy						
Impact Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵	Output % of Gross Regional Product
Direct Effect	4775.8	19.78%	\$374,257,470	19.71%	\$2,575,858,989	135.69%
Indirect Effect	1832.4	7.59%	\$179,790,041	9.47%	\$311,002,754	16.38%
Induced Effect	1594.0	6.60%	\$117,295,230	6.18%	\$198,595,205	10.46%
Total Effect	8202.1	33.96%	\$671,342,741	35.36%	\$3,085,456,948	162.53%

As shown in the above table, agriculture, food, and food processing sectors support **8,202 jobs**, or **33.96%** of the entire workforce in the county. These sectors provide a total economic contribution of approximately **\$3.09 billion**, roughly **162.53% of the economy**.

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, food, and food processing sectors is approximately **\$671.3 million**, or **35.36% of the GRP**. This indicates that personal income, business income, and taxes generated by these sectors account for **35.36% of the total economy**.

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

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

http://www.implan.com/index.php?option=com_content&view=article&id=660%3A660&catid=253%3AKB33&Itemid=70

² 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.

³ Value added = labor income + indirect business taxes + other property type income.

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

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the meat processed from carcasses sector is the top employer with **3,543 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Finney County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Meat processed from carcasses	3,543.1	\$1,850,768,588
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	655.9	\$364,453,356
Wholesale trade	443.0	\$102,698,294
Support activities for agriculture and forestry	238.2	\$28,160,606
Truck transportation	237.6	\$43,624,973
Limited-service restaurants	168.7	\$13,044,633
Full-service restaurants	167.4	\$7,694,645
Real estate	145.8	\$27,086,463
Hospitals	135.8	\$22,296,121
Services to buildings	118.2	\$4,878,595

The meat processed from carcasses sector directly contributes approximately **\$1.85 billion** to the Finney County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Meat processed from carcasses	3,543.1	\$1,850,768,588
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	655.9	\$364,453,356
Grain farming	96.2	\$133,503,908
Wholesale trade	443.0	\$102,698,294
Animal, except poultry, slaughtering	78.5	\$58,955,499
Other animal food manufacturing	43.5	\$55,378,526
Truck transportation	237.6	\$43,624,973
Canned fruits and vegetables manufacturing	86.2	\$42,831,626
Owner-occupied dwellings	0.0	\$33,593,885
Support activities for agriculture and forestry	238.2	\$28,160,606

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 Finney County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	2.4	\$8,260,714.67
Grain farming	96.2	\$133,503,908.47
Vegetable and melon farming	4.4	\$883,769.88
Fruit farming	0.5	\$38,587.13
Tree nut farming	0.0	\$32.61
Greenhouse, nursery, and floriculture production	5.7	\$709,926.50
All other crop farming	8.2	\$2,187,785.66
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	655.9	\$364,453,355.51
Dairy cattle and milk production	6.5	\$2,760,722.29
Poultry and egg production	0.7	\$648,118.94
Animal production, except cattle and poultry and eggs	1.5	\$496,102.59
Commercial logging	2.9	\$161,877.79
Commercial hunting and trapping	5.9	\$83,645.55
Other animal food manufacturing	43.5	\$55,378,525.52
Canned fruits and vegetables manufacturing	86.2	\$42,831,626.13
Animal, except poultry, slaughtering	78.5	\$58,955,498.79
Meat processed from carcasses	3543.1	\$1,850,768,587.68
Bread and bakery product, except frozen, manufacturing	76.7	\$10,869,563.02
Frozen cakes and other pastries manufacturing	1.8	\$288,319.65
Tortilla manufacturing	29.3	\$5,869,663.67
Breweries	0.8	\$356,260.16
Fertilizer mixing	31.8	\$25,461,116.89
Farm machinery and equipment manufacturing	14.4	\$6,878,571.36
Veterinary services	21.4	\$2,228,258.24
Landscape and horticultural services	58.4	\$2,276,280.70

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 Finney County, the retail sector was omitted.