

Finney County

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

6/26/2017

Using the most recent IMPLAN data available (2015) adjusted for 2017, 22 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Finney County economy.¹

These 22 sectors have a total direct output of approximately **\$2.29 billion** and support **4,031.9 jobs** in Finney County. Running the model for all 22 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	4,031.9	17.29%	\$348,651,149	19.12%	\$2,294,299,170	125.80%
Indirect Effect	1,559.6	6.69%	\$143,652,473	7.88%	\$269,338,466	14.77%
Induced Effect	1,316.0	5.64%	\$89,314,234	4.90%	\$156,656,242	8.59%
Total Effect	6,907.5	29.62%	\$581,617,856	31.89%	\$2,720,293,878	149.16%

As shown in the above table, agriculture, food, and food processing sectors support **6,907.5 jobs**, or **29.62%** of the entire workforce in the county. These sectors provide a total economic contribution of approximately **\$2.72 billion**, roughly **149.16% 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 22 agriculture, food, and food processing sectors is approximately **\$581.6 million**, or **31.89% of the GRP**. This indicates that personal income, business income, and taxes generated by these sectors account for **31.89% of the total economy**.

The following tables document the overall summary numbers of the model, top industries affected by employment and output, and 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 **2,857.6 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	2,857.6	\$1,526,242,337
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	591.8	\$409,693,348
Wholesale trade	398.2	\$94,157,991
Truck transportation	217.3	\$34,538,035
Real estate	142.4	\$24,264,855
Limited-service restaurants	139.2	\$10,347,107
Services to buildings	114.3	\$4,108,939
Full-service restaurants	107.5	\$4,814,341
Support activities for agriculture and forestry	98.2	\$15,411,003
Monetary authorities and depository credit intermediation	84.7	\$14,544,256

The meat processed from carcasses sector directly contributes approximately **\$1.53 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	2,857.6	\$1,526,242,337
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	591.8	\$409,693,348
Grain farming	84.6	\$137,479,464
Wholesale trade	398.2	\$94,157,991
Other animal food manufacturing	33.7	\$47,975,976
Animal, except poultry, slaughtering	58.4	\$44,311,288
Canned fruits and vegetables manufacturing	75.9	\$38,445,480
Truck transportation	217.3	\$34,538,035
Owner-occupied dwellings	0.0	\$27,437,340
All other crop farming	74.0	\$25,651,268

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	1.0	\$5,780,918.12
Grain farming	84.6	\$137,479,461.67
Vegetable and melon farming	1.4	\$423,263.70
Fruit farming	0.3	\$35,744.03
Tree nut farming	0.0	\$35.34
Greenhouse, nursery, and floriculture production	0.3	\$44,785.41
All other crop farming	74.0	\$25,651,268.01
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	591.8	\$409,693,328.86
Dairy cattle and milk production	7.5	\$3,857,678.89
Poultry and egg production	0.9	\$1,155,136.11
Animal production, except cattle and poultry and eggs	1.2	\$510,719.72
Other animal food manufacturing	33.7	\$47,975,975.04
Canned fruits and vegetables manufacturing	75.9	\$38,445,480.35
Animal, except poultry, slaughtering	58.4	\$44,311,286.93
Meat processed from carcasses	2,857.6	\$1,526,242,309.57
Bread and bakery product, except frozen, manufacturing	82.3	\$18,420,251.85
Frozen cakes and other pastries manufacturing	1.6	\$243,495.48
Tortilla manufacturing	47.8	\$10,787,321.09
Fertilizer mixing	14.7	\$9,340,714.45
Farm machinery and equipment manufacturing	18.1	\$10,053,915.98
Veterinary services	19.5	\$1,921,999.81
Landscape and horticultural services	59.3	\$1,924,030.07

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.