

Wallace 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, 10 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Wallace County economy.¹

These 10 sectors have a total direct output of approximately **\$93.9 million** and support **454 jobs** in Wallace County. Running the model for all 10 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Wallace County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	454.1	37.93%	\$28,971,914	41.37%	\$93,866,642
Indirect Effect	50.3	4.20%	\$4,017,852	5.74%	\$7,541,421
Induced Effect	53.8	4.49%	\$3,115,414	4.45%	\$6,079,770
Total Effect	558.1	46.63%	\$36,105,181	51.56%	\$107,487,833

As shown in the above table, agriculture, food, and food processing sectors support **558 jobs**, or **46.63%** 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 10 agriculture, food, and food processing sectors is approximately **\$36.1 million**, or **51.56% 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.

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 support activities for agriculture and forestry sector is the top employer with **147 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Wallace County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Support activities for agriculture and forestry	147.4	\$6,589,412
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112.7	\$19,287,627
Grain farming	98.7	\$51,615,135
Animal production, except cattle and poultry and eggs	86.0	\$14,139,513
Wholesale trade	18.6	\$4,032,632
Real estate	7.9	\$1,043,470
Accounting, tax preparation, bookkeeping, and payroll services	7.6	\$299,723
All other crop farming	5.7	\$628,882
All other food and drinking places	4.8	\$129,626
Full-service restaurants	4.6	\$183,594

The grain farming sector directly contributes approximately **\$51.6 million** to the Wallace 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
Grain farming	98.7	\$51,615,135
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112.7	\$19,287,627
Animal production, except cattle and poultry and eggs	86.0	\$14,139,513
Support activities for agriculture and forestry	147.4	\$6,589,412
Wholesale trade	18.6	\$4,032,632
Owner-occupied dwellings	0.0	\$2,021,383
Real estate	7.9	\$1,043,470
Oilseed farming	0.5	\$734,104
All other crop farming	5.7	\$628,882
Electric power transmission and distribution	0.5	\$618,544

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 Wallace County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	0.5	\$734,103.92
Grain farming	98.7	\$51,615,135.19
Vegetable and melon farming	0.6	\$120,012.36
All other crop farming	5.7	\$628,882.17
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	112.7	\$19,287,626.27
Poultry and egg production	0.0	\$15,660.30
Animal production, except cattle and poultry and eggs	86.0	\$14,139,513.02
Support activities for agriculture and forestry	147.4	\$6,589,411.74
Bread and bakery product, except frozen, manufacturing	2.0	\$188,914.90
Nitrogenous fertilizer manufacturing	0.6	\$547,381.40

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 Wallace County, the retail sector was omitted.