Comanche County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors
6/25/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 12 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Comanche County economy.[1]

These 12 sectors have a total direct output of approximately **$75.7 million** and support **334 jobs** in Comanche County. Running the model for all 12 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Comanche County Economy					
Contribution Type[2]	**Employment**	**% Employment**	**Total Value Added**[3]	**Total Value Added % of Gross Regional Product**[4]	**Output**[5]
Direct Effect	333.8	26.54%	$19,274,038	28.74%	$75,690,635
Indirect Effect	47.2	3.75%	$2,744,368	4.09%	$6,104,891
Induced Effect	9.6	0.76%	$641,262	0.96%	$1,222,000
Total Effect	390.7	31.05%	$22,659,668	33.79%	$83,017,526

As shown in the above table, agriculture, food, and food processing sectors support **391 jobs**, or **31.05%** 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 12 agriculture, food, and food processing sectors is approximately **$22.7 million**, or **33.79% 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.

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1 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

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 beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **234 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Comanche County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	233.6	$43,779,451
Mayonnaise, dressing, and sauce manufacturing	107.1	$73,257,519
Farm machinery and equipment manufacturing	37.1	$15,827,394
Grain farming	26.6	$14,462,108
Support activities for agriculture and forestry	18.9	$901,176
All other crop farming	15.4	$1,680,860
Securities and commodity contracts intermediation and brokerage	12.1	$674,655
Wholesale trade	11.0	$1,686,477
Animal production, except cattle and poultry and eggs	8.8	$1,396,448
Real estate	8.5	$1,132,162

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately **$46.0 million** to the Comanche 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
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	236.0	$46,011,232
Grain farming	23.2	$13,126,406
Farm machinery and equipment manufacturing	32.3	$11,138,869
Animal production, except cattle and poultry and eggs	9.9	$1,623,929
All other crop farming	12.0	$1,414,985
Truck transportation	6.0	$1,080,074
Wholesale trade	7.2	$1,033,564
Cotton farming	4.8	$915,892
Real estate	5.0	$783,038
Support activities for agriculture and forestry	12.0	$699,040

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 Comanche County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	0.2	$320,876.78
Grain farming	23.2	$13,126,405.72
Vegetable and melon farming	0.8	$120,012.36
Cotton farming	4.8	$915,891.59
All other crop farming	12.0	$1,414,984.94
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	236.0	$46,011,230.47
Poultry and egg production	0.0	$17,520.57
Animal production, except cattle and poultry and eggs	9.9	$1,623,928.55
Support activities for agriculture and forestry	12.0	$699,040.41
Bread and bakery product, except frozen, manufacturing	2.5	$286,077.98
Frozen cakes and other pastries manufacturing	0.1	$15,795.58
Farm machinery and equipment manufacturing	32.3	$11,138,869.29

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 Comanche County, the retail sector was omitted.