Cloud County

8/31/2020

Background Statistics[1]

Number of farms: 412

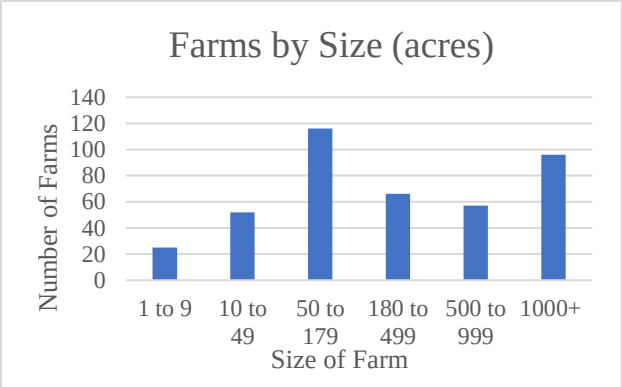
Average size: 782 acres

Land in farms: 322,034 acres

Average value of products sold per farm: $188,070

Average net cash farm income per farm: $53,175

1: Data from USDA 2017 Census of Agriculture



Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Cloud County Economy

Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 25 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Cloud County economy.

Results

These 25 sectors have a total direct output of approximately **$123.6 million** and account for **536 jobs** in Cloud County. Running the model for all 25 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Cloud County Economy					
Contribution Type	**Employment**	**% Employment**	**Total Value Added**	**% of Gross Regional Product**	**Output**
Direct Effect	536	11%	$30,600,000	11%	$123,600,000
Indirect Effect	125	3%	$6,200,000	2%	$19,000,000
Induced Effect	136	3%	$8,100,000	3%	$15,700,000
Total Effect	**797**	**16%**	**$44,900,000**	**16%**	**$158,200,000**

NOTE: Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **797 jobs**, or **16%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **$158.2 million**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 25 agriculture, food, and food processing sectors is approximately **$44.9 million**, or **16%** of the GRP.

Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming is the top employer with **295 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Cloud County.

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	295
Grain farming	102
Other real estate	47
Landscape and horticultural services	27
All other crop farming	21
Oilseed farming	20
Full-service restaurants	18
Animal, except poultry, slaughtering	18
Support activities for agriculture and forestry	15
Truck transportation	15

Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top contributor, with approximately $**45.8 million** to the Cloud County economy.

Sector	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	$43,800,000
Grain farming	$33,400,000
Oilseed farming	$24,100,000
Animal, except poultry, slaughtering	$13,100,000
Other real estate	$6,000,000
Owner-occupied dwellings	$3,500,000
Truck transportation	$2,400,000
Wholesale - Other nondurable goods merchant wholesalers	$2,400,000
Animal production, except cattle and poultry and eggs	$2,000,000
Monetary authorities and depository credit intermediation	$2,000,000

All Direct Sectors

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 Cloud County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	$43,846,709.37	295.30
Grain farming	$33,392,106.94	101.59
Oilseed farming	$24,133,470.22	20.39
Animal, except poultry, slaughtering	$13,051,552.89	18.19
Animal production, except cattle and poultry and eggs	$2,039,545.71	12.96
Landscape and horticultural services	$1,308,552.08	27.18
All other crop farming	$839,589.03	20.84
Veterinary services	$813,015.91	10.11
Support activities for agriculture and forestry	$749,346.75	15.17
Other animal food manufacturing	$713,750.75	0.68
Bread and bakery product, except frozen, manufacturing	$473,834.05	3.91
Farm machinery and equipment manufacturing	$392,267.09	1.14
Meat processed from carcasses	$367,108.84	0.70
Frozen cakes and other pastries manufacturing	$313,694.07	3.92
Rendering and meat byproduct processing	$255,015.16	0.70
Poultry and egg production	$209,298.63	0.23
Other snack food manufacturing	$195,933.26	0.41
Breweries	$183,386.25	0.48
Roasted nuts and peanut butter manufacturing	$156,662.30	0.40
Greenhouse, nursery, and floriculture production	$49,828.93	0.31
Vegetable and melon farming	$34,286.05	0.20
Commercial logging	$32,307.26	0.41
Forestry, forest products, and timber tract production	$23,980.83	0.39
Fruit farming	$22,124.59	0.14
Tree nut farming	$2,293.98	0.04

The following terms are used throughout the results shown in this report:

- **Direct effect**: the contribution from agricultural and food products
- **Indirect effect**: the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect**: the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment**: full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist
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