

# Economic Contribution of Agricultural Sales

*MS Congressional District 4 (2022)*

*extension.msstate.edu/economic-profiles*

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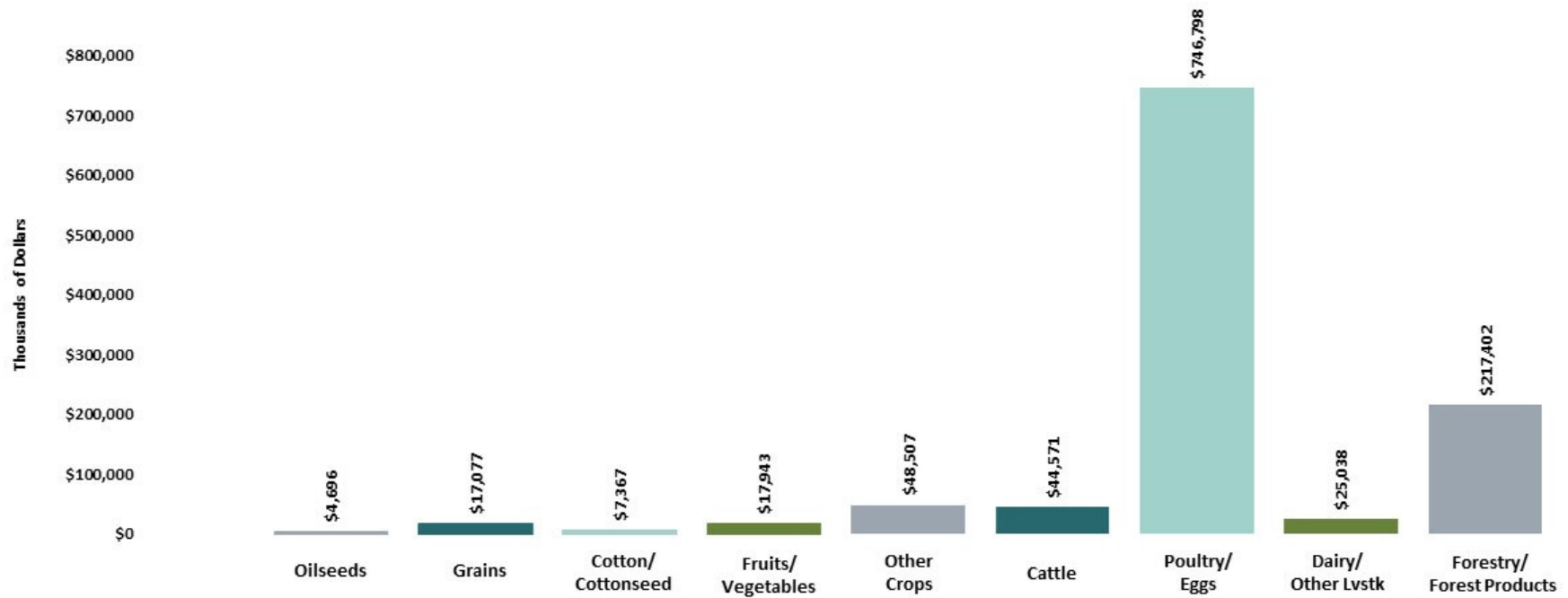


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# Commodity Cash Receipts from Marketings

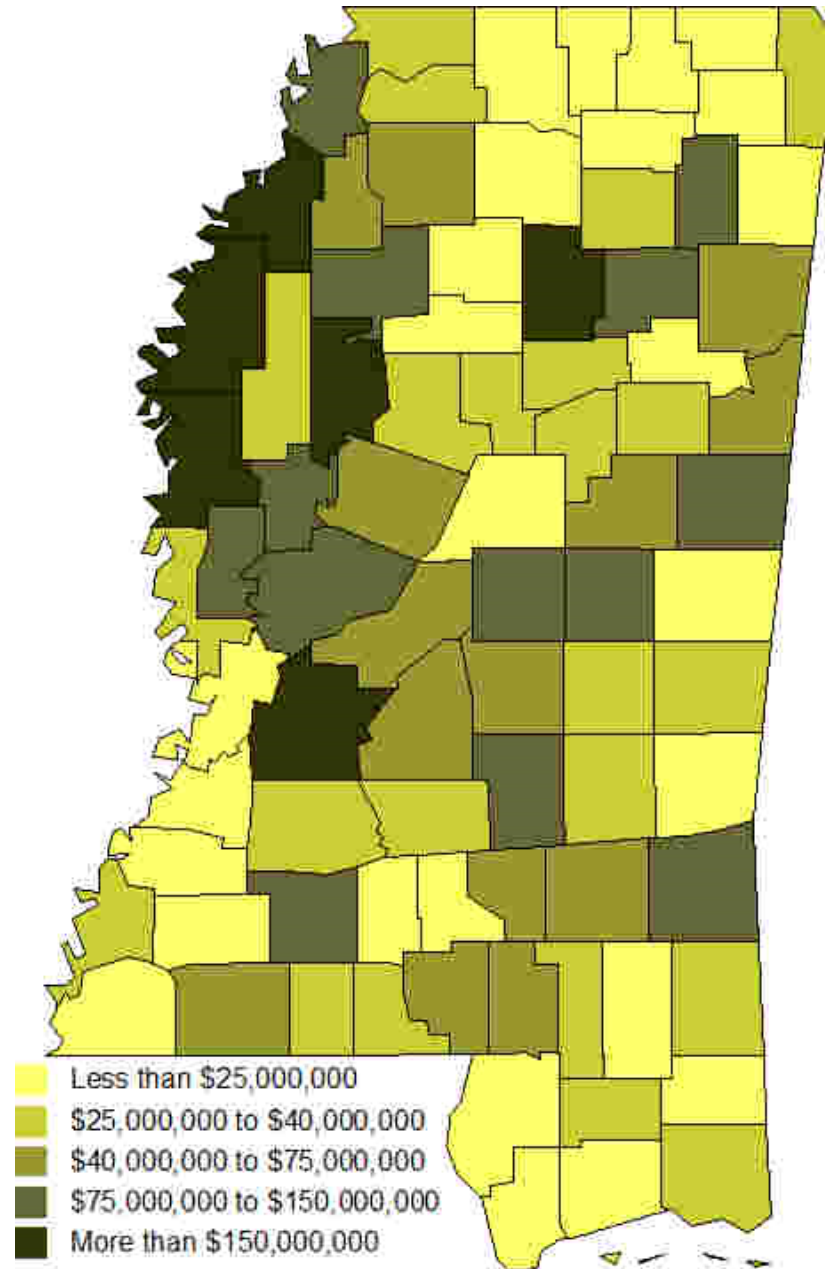
## Congressional District 4



Sales denoted in thousands of dollars

Source: 2021 IMPLAN Dataset

# Total Value Added Attributable to Agricultural Production



| Commodity             | Ranking |
|-----------------------|---------|
| Oilseeds              | N/A     |
| Grains                | N/A     |
| Cotton/Cottonseed     | N/A     |
| Fruits/Vegetables     | N/A     |
| Other Crops           | N/A     |
| Cattle                | N/A     |
| Poultry/Eggs          | N/A     |
| Other Livestock/Dairy | N/A     |

| <b>Economic Impacts</b> | <b>Employment</b> | <b>Labor Income</b>  | <b>Value Added</b>   | <b>Industry Sales</b>  |
|-------------------------|-------------------|----------------------|----------------------|------------------------|
| Direct Effect           | 6,720.2           | \$194,065,112        | \$249,238,998        | \$1,050,468,359        |
| Indirect Effect         | 1,953.4           | \$70,412,427         | \$107,218,619        | \$285,802,488          |
| Induced Effect          | 757.0             | \$29,290,592         | \$65,951,615         | \$118,143,634          |
| <b>Total Effect</b>     | <b>9,430.6</b>    | <b>\$293,768,131</b> | <b>\$422,409,232</b> | <b>\$1,454,414,481</b> |

*Employment denotes number of annual jobs.*

**Direct Effects**—represent the initial change to industries considered relevant to the production agriculture and short rotation woody crops sectors.

**Indirect Effects**—represent changes in inter-industry transactions when supplying industries respond to demand changes from directly affected industries (the direct effects above).

**Induced Effects**—represent changes in local spending that result from income changes in the affected industry sectors.

**Employment**—annual average of monthly jobs in the industry. A job can be either part-time or full-time, and a person can hold more than one job (the employment or job count is not necessarily the same as the count of employed persons).

**Labor Income**—all employment income, including employee compensation (wages and benefits) and proprietor income.

**Value Added**—represents the difference between an industry's total output and the cost of its intermediate inputs. Intermediate inputs are calculated as gross output (sales or receipts plus other operating income plus inventory change) minus intermediate inputs (consumption of goods and services purchased from other industries or imported).

**Output**—represents the value of production (sales) by an industry in a calendar year.

| <b>Economic Impacts</b> | <b>Employment</b> | <b>Labor Income</b> | <b>Value Added</b> | <b>Industry Sales</b> |
|-------------------------|-------------------|---------------------|--------------------|-----------------------|
|-------------------------|-------------------|---------------------|--------------------|-----------------------|

### **Macro Industry Total Effects**

|               |         |               |               |                 |
|---------------|---------|---------------|---------------|-----------------|
| Agriculture   | 7,962.9 | \$228,550,909 | \$286,266,741 | \$1,150,791,347 |
| Construction  | 14.1    | \$639,182     | \$774,689     | \$2,776,036     |
| *TIPU         | 10.5    | \$1,244,231   | \$4,948,826   | \$11,623,648    |
| Manufacturing | 29.0    | \$2,184,064   | \$5,821,483   | \$45,467,666    |
| Trade         | 358.0   | \$17,473,057  | \$37,025,105  | \$76,805,769    |
| Service       | 1,038.8 | \$42,307,351  | \$85,593,649  | \$162,887,613   |
| Government    | 16.3    | \$1,328,648   | \$1,844,333   | \$3,507,172     |

*\*TIPU is Transportation, Infrastructure, and Public Utilities*

| <b>Industries Most Impacted by<br/>Agricultural Output</b> | <b>Employ-<br/>ment</b> | <b>Labor<br/>Income</b> | <b>Value-<br/>Added</b> | <b>Industry<br/>Sales</b> |
|--|-------------------------|-------------------------|-------------------------|---------------------------|
| Wholesale-Other nondurable goods merch whlsale             | 106.7                   | \$6,643,591             | \$15,557,768            | \$36,020,800              |
| Support activities for agriculture and forestry            | 817.4                   | \$25,521,098            | \$26,003,843            | \$30,216,550              |
| Other animal food mfg                                      | 21.9                    | \$1,413,549             | \$2,942,727             | \$27,489,398              |
| Other real estate  | 102.1                   | \$2,494,990             | \$8,684,508             | \$21,468,318              |
| Owner-occupied dwellings                                   | 0.0                     | \$0                     | \$16,168,900            | \$19,513,185              |

# Economic Metrics by Commodity

| Commodity             | Employ       | Labor Income         | Value Added          | Output                 |
|-----------------------|--------------|----------------------|----------------------|------------------------|
| Oilseeds              | 26           | \$5,046,911          | \$2,526,983          | \$4,718,704            |
| Grains                | 127          | \$10,588,380         | \$4,276,251          | \$22,052,379           |
| Cotton/<br>Cottonseed | 98           | \$1,905,234          | \$2,189,229          | \$7,479,297            |
| Fruits/Vegetables     | 217          | \$7,735,795          | \$12,165,180         | \$10,867,994           |
| Other Crops           | 1,436        | \$7,494,585          | \$16,589,087         | \$21,729,569           |
| Cattle                | 555          | \$3,057,901          | \$13,779,989         | \$43,149,599           |
| Poultry/Eggs          | 1,359        | \$30,167,304         | \$48,885,219         | \$729,897,395          |
| Other Livestock/Dairy | 650          | \$19,189,885         | \$22,121,082         | \$2,717,165            |
| Forestry/Logging      | 2,252        | \$108,879,117        | \$126,705,978        | \$221,306,447          |
| <b>Total</b>          | <b>6,720</b> | <b>\$194,065,112</b> | <b>\$249,238,998</b> | <b>\$1,063,918,549</b> |



# Estimated Local Tax Impacts Attributable to Agricultural Production Sectors

| Description              | Employ Comp | Taxes on Production and Imports | Households       | Corporations |
|--------------------------|-------------|---------------------------------|------------------|--------------|
| Social Insurance         | \$0         |                                 |                  |              |
| TOPI: Sales Tax          |             | \$459,351                       |                  |              |
| TOPI: Property Tax       |             | \$9,786,981                     |                  |              |
| Corp Profits Tax         |             |                                 |                  | \$0          |
| Personal Taxes           |             |                                 | \$248,179        |              |
| <b>Total Local Taxes</b> | <b>\$0</b>  | <b>\$10,246,333</b>             | <b>\$248,179</b> | <b>\$0</b>   |

# Estimated State Tax Impacts Attributable to Agricultural Production Sectors

| Description              | Employ Comp     | Taxes on Production and Imports | Households         | Corporations       |
|--------------------------|-----------------|---------------------------------|--------------------|--------------------|
| Social Insurance         | \$14,841        |                                 |                    |                    |
| TOPI: Sales Tax          |                 | \$14,460,461                    |                    |                    |
| TOPI: Other Tax          |                 | \$1,260,328                     |                    |                    |
| Corp Profits Tax         |                 |                                 |                    | \$1,644,374        |
| Personal Taxes           |                 |                                 | \$5,398,069        |                    |
| <b>Total Local Taxes</b> | <b>\$14,841</b> | <b>\$15,720,789</b>             | <b>\$5,398,069</b> | <b>\$1,644,374</b> |

## Top 10 Counties by Commodity Groups (ranked by output)

### Oilseeds

| County       | Sales         |
|--------------|---------------|
| Bolivar      | \$240,163,663 |
| Washington   | \$239,176,774 |
| Sunflower    | \$213,722,814 |
| Leflore      | \$117,885,809 |
| Tallahatchie | \$92,013,781  |
| Coahoma      | \$90,938,087  |
| Sharkey      | \$84,022,313  |
| Tunica       | \$65,369,338  |
| Humphreys    | \$55,495,788  |
| Quitman      | \$49,493,639  |

### Grains

| County       | Sales        |
|--------------|--------------|
| Washington   | \$77,921,470 |
| Yazoo        | \$63,350,792 |
| Bolivar      | \$61,696,149 |
| Leflore      | \$61,386,474 |
| Sunflower    | \$60,133,255 |
| Tallahatchie | \$51,829,443 |
| Tunica       | \$39,820,480 |
| Coahoma      | \$36,389,685 |
| Noxubee      | \$35,322,616 |
| Sharkey      | \$30,337,322 |

### Fruits/Vegetables/Nuts

| County      | Sales        |
|-------------|--------------|
| Coahoma     | \$35,356,689 |
| Chickasaw   | \$21,866,454 |
| Webster     | \$6,839,526  |
| Yalobusha   | \$4,798,438  |
| Pearl River | \$3,155,904  |
| Wayne       | \$3,114,100  |
| Lamar       | \$2,698,357  |
| Tate        | \$2,251,666  |
| Forrest     | \$2,190,355  |
| Greene      | \$2,113,413  |

## Top 10 Counties by Commodity Groups (ranked by output)

### Cotton/Cottonseed

| County       | Sales        |
|--------------|--------------|
| Coahoma      | \$84,316,304 |
| Tallahatchie | \$48,448,510 |
| Holmes       | \$44,646,899 |
| Leflore      | \$42,187,990 |
| Yazoo        | \$29,232,943 |
| Noxubee      | \$26,778,103 |
| Panola       | \$26,769,965 |
| Humphreys    | \$23,399,646 |
| Quitman      | \$22,789,327 |
| Tunica       | \$20,995,375 |

### Other Crops

| County      | Sales        |
|-------------|--------------|
| George      | \$13,513,934 |
| Neshoba     | \$9,939,933  |
| Tate        | \$9,735,152  |
| Monroe      | \$8,031,006  |
| Holmes      | \$7,996,082  |
| Yazoo       | \$7,981,424  |
| Hinds       | \$7,891,189  |
| Pearl River | \$6,999,928  |
| Panola      | \$5,770,916  |
| Carroll     | \$5,639,727  |

### Cattle and Calves

| County      | Sales        |
|-------------|--------------|
| Covington   | \$14,838,022 |
| Scott       | \$7,969,301  |
| Lincoln     | \$7,839,444  |
| Jones       | \$6,970,045  |
| Tate        | \$6,946,170  |
| Walthall    | \$6,793,894  |
| Simpson     | \$6,268,061  |
| Pearl River | \$6,208,374  |
| Neshoba     | \$5,985,055  |
| Marshall    | \$5,979,814  |

# Top 10 Counties by Commodity Groups (ranked by output)

## Poultry and Eggs

| County    | Sales         |
|-----------|---------------|
| Leake     | \$405,106,025 |
| Neshoba   | \$317,620,337 |
| Jones     | \$300,141,607 |
| Jasper    | \$284,358,381 |
| Smith     | \$282,518,612 |
| Covington | \$263,079,398 |
| Wayne     | \$257,859,056 |
| Scott     | \$213,262,154 |
| Simpson   | \$189,551,395 |
| Newton    | \$132,506,170 |

## Other Animal Production\*

| County    | Sales         |
|-----------|---------------|
| Leflore   | \$111,659,471 |
| Noxubee   | \$60,028,564  |
| Sunflower | \$50,872,841  |
| Chickasaw | \$42,223,630  |
| Humphreys | \$38,383,491  |
| Coahoma   | \$23,125,350  |
| Lowndes   | \$19,231,266  |
| Calhoun   | \$18,177,748  |
| Monroe    | \$14,988,461  |
| Rankin    | \$9,532,200   |

## Forestry and Forest Products

| County     | Sales         |
|------------|---------------|
| Hinds      | \$154,921,242 |
| Neshoba    | \$82,276,301  |
| Lincoln    | \$63,558,829  |
| Stone      | \$49,257,258  |
| Smith      | \$45,725,865  |
| Amite      | \$42,216,494  |
| Franklin   | \$33,454,247  |
| Yazoo      | \$32,532,181  |
| Tishomingo | \$28,803,843  |
| Leake      | \$28,585,873  |

*\*Other Animal Production includes: milk from cows; hogs and pigs; sheep, goats, wool, mohair, and milk; horses, ponies, mules, burros, and donkeys; aquaculture; and other animals and other animal products.*