

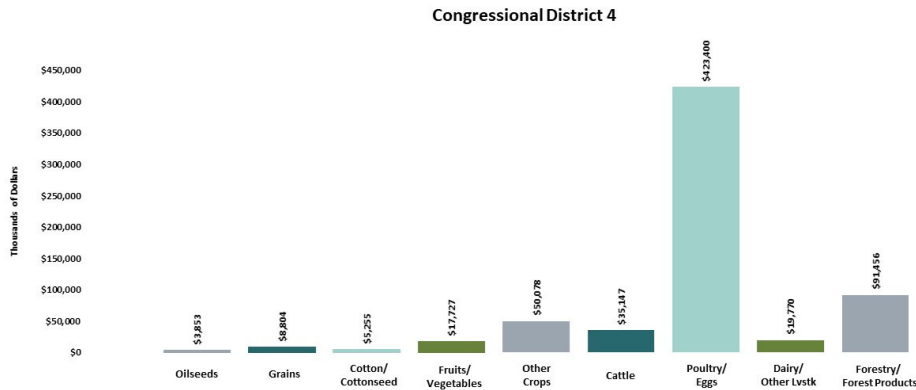
# Economic Contribution of Agricultural Sales

## MS Congressional District 4 (2020)

[extension.msstate.edu/economic-profiles](http://extension.msstate.edu/economic-profiles)



### Commodity Cash Receipts from Marketings



Sales denoted in thousands of dollars  
Source: IMPLAN 2020 Dataset

### Commodity Ranking

Commodity	Ranking
Oilseeds	0.32%
Grains	1.81%
Cotton/Cottonseed	1.20%
Fruits/Vegetables	15.73%
Other Crops	15.11%
Cattle	18.97%
Poultry/Eggs	22.18%
Other Livestock/Dairy	6.43%
Forestry/Logging	781.62%

Economic Impacts	Employment	Labor Income	Value Added	Industry Sales
Direct Effect	6,239.8	\$137,846,518	\$133,999,668	\$649,901,379
Indirect Effect	1,584.2	\$58,618,023	\$81,434,905	\$205,175,910
Induced Effect	744.6	\$27,229,336	\$56,055,786	\$99,885,439
<b>Total Effect</b>	<b>8,568.5</b>	<b>\$223,693,878</b>	<b>\$271,490,358</b>	<b>\$954,962,727</b>

Employment denotes number of annual jobs.

#### Macro Industry Total Effects

Agriculture	7,086.6	\$163,647,172	\$156,504,193	\$672,441,635
Construction	82.2	\$3,803,290	\$6,295,019	\$65,387,884
*TIPU	118.7	\$3,486,410	\$7,635,522	\$16,016,192
Manufacturing	15.0	\$1,175,575	\$2,601,681	\$12,958,355
Trade	210.4	\$11,637,018	\$21,874,342	\$40,880,933
Service	991.1	\$37,176,781	\$72,436,338	\$137,764,853
Government	60.6	\$2,395,801	\$2,809,240	\$6,128,821

\*TIPU is Transportation, Infrastructure, and Public Utilities

### Employment and Labor Income by Commodity

Commodity	Employ	Labor Income
Oilseeds	29	\$17,028,961
Grains	97	\$11,833,678
Cotton/Cottonseed	85	\$1,292,413
Fruits/Vegetables	303	\$2,510,558
Other Crops	2,214	\$8,623,880
Cattle	620	\$4,576,223
Poultry/Eggs	1,195	\$19,036,835
Other Lvstk/Dairy	481	\$16,882,805
Forestry/ Logging	79	\$4,130,047
<b>Total</b>	<b>5,103</b>	<b>\$85,915,400</b>

Industries Most Impacted by Agricultural Output	Employment	Labor Income	Value-Added	Industry Sales
Other animal food mfg	63.9	\$3,029,687	\$5,445,825	\$62,106,140
Support activities for agriculture and forestry	845.3	\$25,776,066	\$22,414,864	\$22,446,498
Other real estate	114.3	\$1,590,651	\$8,243,111	\$21,467,698
Wholesale - Other nondurable goods merch whlsale	79.4	\$4,528,952	\$9,672,295	\$20,045,920
Owner-occupied dwellings	0.0	\$0	\$13,626,517	\$17,351,963

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

### Oilseeds

County	Sales
Bolivar County	\$166,300,000
Washington County	\$165,600,000
Sunflower County	\$148,000,000
Leflore County	\$81,634,758
Tallahatchie County	\$63,718,636
Coahoma County	\$62,961,330
Sharkey County	\$58,184,624
Tunica County	\$45,267,624
Humphreys County	\$38,430,286
Quitman County	\$34,273,857

### Grains

County	Sales
Bolivar County	\$53,381,428
Washington County	\$48,206,791
Tunica County	\$42,232,769
Sunflower County	\$42,062,702
Leflore County	\$32,740,913
Yazoo County	\$32,229,805
Tallahatchie County	\$30,922,808
Coahoma County	\$22,554,152
Noxubee County	\$17,842,770
Humphreys County	\$17,626,848

### Fruits/Vegetables/Nuts

County	Sales
Calhoun County	\$34,232,183
Chickasaw County	\$21,170,464
Webster County	\$6,637,025
Yalobusha County	\$4,646,625
Pearl River County	\$3,189,381
Wayne County	\$3,179,540
Lamar County	\$3,161,241
Tate County	\$2,183,342
Forrest County	\$2,162,221
Greene County	\$2,111,693

### Cotton/Cottonseed

County	Sales
Coahoma County	\$60,138,741
Tallahatchie County	\$34,555,977
Holmes County	\$31,844,473
Leflore County	\$30,090,652
Yazoo County	\$20,850,445
Noxubee County	\$19,099,525
Panola County	\$19,093,721
Humphreys County	\$16,689,835
Quitman County	\$16,254,524
Tunica County	\$14,974,985

### Other Crops

County	Sales
George County	\$12,627,189
Hinds County	\$10,946,410
Tate County	\$9,208,504
Monroe County	\$7,513,873
Yazoo County	\$7,493,035
Holmes County	\$7,355,825
Pearl River County	\$6,703,631
Neshoba County	\$5,337,711
Panola County	\$5,336,082
Carroll County	\$5,275,031

### Cattle and Calves

County	Sales
Covington County	\$10,077,559
Scott County	\$5,412,521
Lincoln County	\$5,324,326
Jones County	\$4,733,855
Tate County	\$4,717,639
Walthall County	\$4,614,218
Simpson County	\$4,257,088
Pearl River County	\$4,216,550
Neshoba County	\$4,064,878
Marshall County	\$4,061,319

### Poultry/Eggs

County	Sales
Leake County	\$196,100,000
Neshoba County	\$153,700,000
Jones County	\$145,300,000
Jasper County	\$137,600,000
Smith County	\$136,800,000
Covington County	\$127,300,000
Wayne County	\$124,800,000
Scott County	\$103,200,000
Simpson County	\$91,752,625
Newton County	\$64,139,969

### Other Animal Production\*

County	Sales
Leflore County	\$56,580,570
Noxubee County	\$31,902,240
Chickasaw County	\$29,810,163
Sunflower County	\$25,784,233
Humphreys County	\$19,457,247
Calhoun County	\$13,802,544
Coahoma County	\$11,988,261
Lowndes County	\$10,891,379
Monroe County	\$7,936,331
Tippah County	\$6,168,809

### Forestry/Logging

County	Sales
Hinds County	\$51,897,923
Neshoba County	\$23,361,962
Lincoln County	\$18,645,597
Stone County	\$14,497,797
Smith County	\$13,460,903
Amite County	\$12,524,237
Franklin County	\$9,848,243
Yazoo County	\$9,603,001
Madison County	\$9,423,954
Lowndes County	\$9,218,379

\*See Data Key

# MISSISSIPPI COUNTY ECONOMIC CONTRIBUTION OF AGRICULTURAL SALES PROFILES DATA KEY

**Data Key** — All data were obtained from the 2020 IMPLAN dataset ([www.implan.com](http://www.implan.com)) except for commercial logging (2020 Harvest of Forest Products. John Auel. Mississippi State University Extension. February 2021.).

## IMPLAN Sector Data

For this contribution analysis, data from the 2020 IMPLAN dataset were used. Each sector corresponds to several NAICS industry codes. Below is a non-exclusive list of the NAICS codes included in each of the IMPLAN agriculture sectors:

- **Oilseed Farming** — Field/seed production: soybean, canola, flaxseed, oilseed, sunflower, and oilseed/grain combinations.
- **Grain Farming** — Field/dry grain/seed production: rice, wheat, lentil, lima bean, pea, corn, barley, milo, oat, rye, broomcorn, and garbanzo.
- **Vegetable and Fruit Farming** — Field/seed production: sweet potato, carrot, potato, vegetable, melon, yam, bean, beet, cabbage, celery, collard, leafy greens, okra, pumpkin, pepper, tomato, grapes, citrus fruit, berry, fig, olive, tropical fruit, and other fruit/vegetable.
- **Greenhouse, nursery, and floriculture production** — Mushroom, herb, melon, Christmas tree, sprout, foliage, house plant, turf, sod, shrubby flower, and nursery growing.
- **Cotton Farming** — Field/seed production: cotton and cottonseed.
- **All other crop farming** — Field/seed production: peanut, hay, alfalfa, herbs, spices, and maple farming.
- **Beef cattle ranching and farming** — Beef cattle ranching and farming, calf production, cattle conditioning operations, dairy heifer replacement production, stocker and feeder calf production, fattening cattle, feed yards, and feed lots.
- **Poultry and egg production** — Egg, chicken, turkey, and duck production, and hatcheries.
- **Other Livestock/Dairy** — Made up of *Animal production, except cattle and poultry and eggs* and *Dairy cattle and milk production*. Includes dairy cattle and milk production, and the farming and production (including milk production) of many other animals such as quail, hogs, pigs, goats, catfish, bees, donkeys, sheep, horse, mules, deer, worms, among others.
- **Forestry, forest products, timber tract production, and logging** — Tract operations; gathering of aromatic wood gathering, balsam needles, bark, gum, moss, and forest products; growing trees; tree seed extracting; tree seed growing for reforestation; and harvesting moss or teaberries; cutting and transporting timber; rough wood manufacturing; field chipping; and rough wood mfg.

## Economic Impact Estimates

The economic impact estimates contained in this profile were derived using the 2020 IMPLAN data and input-output relationships from IMPLAN (a proprietary economic impact estimation software package — <https://www.implan.com>) and information from the 2020 Harvest of Forest Products. Definitions of individual economic effects are as follows:

**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.

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