

Economic Contribution of Agricultural Sales

Copiah County, MS (2021)

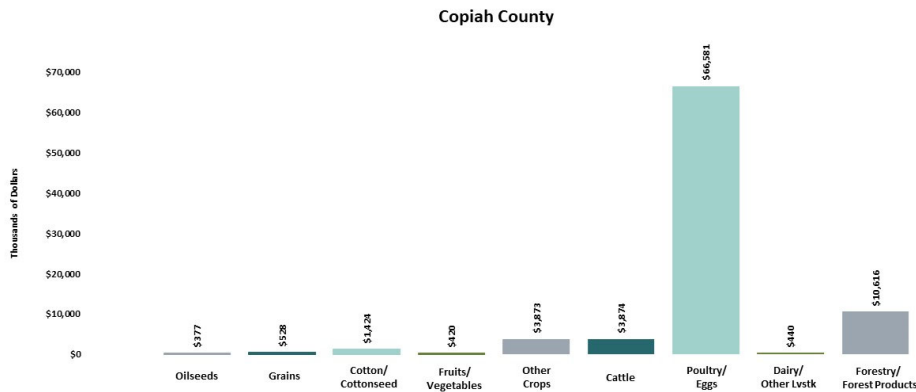
extension.msstate.edu/economic-profiles



MISSISSIPPI STATE
UNIVERSITY

EXTENSION

Commodity Output



Sales denoted in thousands of dollars
Source: IMPLAN 2021 Dataset

County Rank in Mississippi

| Commodity | Ranking |
|-----------|---------|
|-----------|---------|

| | |
|-----------------------|----|
| Oilseeds | 66 |
| Grains | 64 |
| Cotton/Cottonseed | 40 |
| Fruits/Vegetables | 39 |
| Other Crops | 26 |
| Cattle | 21 |
| Poultry/Eggs | 14 |
| Other Livestock/Dairy | 59 |
| Forestry/Logging | 42 |

| Economic Impacts | Employment | Labor Income | Value Added | Industry Sales |
|---------------------|--------------|---------------------|---------------------|---------------------|
| Direct Effect | 490.3 | \$8,689,923 | \$14,946,852 | \$87,258,639 |
| Indirect Effect | 93.0 | \$3,310,622 | \$3,718,109 | \$7,273,392 |
| Induced Effect | 26.3 | \$640,927 | \$1,596,974 | \$3,040,894 |
| Total Effect | 609.6 | \$12,641,472 | \$20,261,936 | \$97,572,926 |

Employment denotes number of annual jobs.

Macro Industry Total Effects

| | | | | |
|---------------|-------|--------------|--------------|--------------|
| Agriculture | 547.3 | \$10,894,811 | \$16,822,782 | \$89,214,838 |
| Construction | 1.1 | \$40,172 | \$41,783 | \$214,164 |
| *TIPU | 0.7 | \$49,241 | \$196,453 | \$500,831 |
| Manufacturing | 0.1 | \$6,015 | \$9,092 | \$127,194 |
| Trade | 11.0 | \$411,184 | \$845,166 | \$1,805,356 |
| Service | 48.8 | \$1,200,926 | \$2,298,193 | \$5,612,425 |
| Government | 0.5 | \$38,644 | \$47,106 | \$86,979 |

*TIPU is Transportation, Infrastructure, and Public Utilities

Employment and Labor Income by Commodity

| Commodity | Employ | Labor Income |
|-------------------|------------|--------------------|
| Oilseeds | 2 | -\$8,646 |
| Grains | 5 | \$2,593 |
| Cotton/Cottonseed | 12 | \$166,393 |
| Fruits/Vegetables | 5 | \$5,353 |
| Other Crops | 135 | \$209,553 |
| Cattle | 39 | -\$91,430 |
| Poultry/Eggs | 165 | \$2,041,204 |
| Other Lvstk/Dairy | 5 | -\$55 |
| Forestry/ Logging | 14 | \$677,323 |
| Total | 382 | \$3,002,288 |

| Industries Most Impacted by Agricultural Output | Employment | Labor Income | Value-Added | Industry Sales |
|---|------------|--------------|-------------|----------------|
| Support activities for agriculture and forestry | 57.0 | \$2,204,888 | \$1,875,930 | \$1,956,199 |
| Truck transportation | 7.5 | \$306,733 | \$343,554 | \$1,149,074 |
| Other real estate | 5.0 | \$52,364 | \$185,686 | \$804,037 |
| Owner-occupied dwellings | 0.0 | \$0 | \$630,886 | \$797,945 |
| Wholesale-Other nondurable goods merch whlsale | 1.6 | \$121,996 | \$273,875 | \$536,369 |

Top 10 Counties by Commodity Groups - ranked by Sales (Output)

Oilseeds

| County | Sales |
|--------------|---------------|
| Bolivar | \$208,900,000 |
| Washington | \$208,000,000 |
| Sunflower | \$185,900,000 |
| Leflore | \$102,500,000 |
| Tallahatchie | \$80,034,215 |
| Coahoma | \$79,089,981 |
| Sharkey | \$73,083,181 |
| Tunica | \$56,858,696 |
| Humphreys | \$48,270,615 |
| Quitman | \$43,049,905 |

Grains

| County | Sales |
|--------------|--------------|
| Washington | \$79,589,161 |
| Yazoo | \$65,214,343 |
| Leflore | \$63,238,366 |
| Sunflower | \$61,508,101 |
| Bolivar | \$61,133,966 |
| Tallahatchie | \$53,095,283 |
| Tunica | \$38,893,015 |
| Noxubee | \$36,455,478 |
| Coahoma | \$36,370,834 |
| Sharkey | \$31,256,513 |

Fruits/Vegetables/Nuts

| County | Sales |
|-------------|--------------|
| Calhoun | \$42,957,857 |
| Chickasaw | \$26,569,272 |
| Webster | \$8,310,577 |
| Yalobusha | \$5,827,683 |
| Pearl River | \$3,759,665 |
| Wayne | \$3,471,856 |
| Lamar | \$3,209,594 |
| Tate | \$2,725,250 |
| Forrest | \$2,619,641 |
| Greene | \$2,544,436 |

Cotton/Cottonseed

| County | Sales |
|--------------|--------------|
| Coahoma | \$57,197,395 |
| Tallahatchie | \$32,865,869 |
| Holmes | \$30,286,981 |
| Leflore | \$28,618,939 |
| Yazoo | \$19,830,663 |
| Noxubee | \$18,165,380 |
| Panola | \$18,159,860 |
| Humphreys | \$15,873,547 |
| Quitman | \$15,459,526 |
| Tunica | \$14,242,569 |

Other Crops

| County | Sales |
|-------------|--------------|
| George | \$16,246,916 |
| Tate | \$11,554,723 |
| Monroe | \$9,404,276 |
| Yazoo | \$9,399,341 |
| Holmes | \$9,257,255 |
| Hinds | \$8,616,400 |
| Pearl River | \$8,423,277 |
| Panola | \$6,713,868 |
| Carroll | \$6,602,904 |
| Neshoba | \$6,579,187 |

Cattle and Calves

| County | Sales |
|-------------|--------------|
| Covington | \$12,004,380 |
| Scott | \$6,447,390 |
| Lincoln | \$6,342,332 |
| Jones | \$5,638,963 |
| Tate | \$5,619,648 |
| Walthall | \$5,496,452 |
| Simpson | \$5,071,039 |
| Pearl River | \$5,022,750 |
| Neshoba | \$4,842,079 |
| Marshall | \$4,837,839 |

Poultry/Eggs

| County | Sales |
|-----------|---------------|
| Leake | \$267,100,000 |
| Neshoba | \$209,400,000 |
| Jones | \$197,900,000 |
| Jasper | \$187,500,000 |
| Smith | \$186,300,000 |
| Covington | \$173,500,000 |
| Wayne | \$170,000,000 |
| Scott | \$140,600,000 |
| Simpson | \$125,000,000 |
| Newton | \$87,365,121 |

Other Animal Production*

| County | Sales |
|-----------|--------------|
| Leflore | \$95,321,390 |
| Noxubee | \$51,391,988 |
| Sunflower | \$43,429,855 |
| Chickasaw | \$37,160,340 |
| Humphreys | \$32,768,176 |
| Coahoma | \$19,777,420 |
| Lowndes | \$16,569,235 |
| Calhoun | \$16,126,327 |
| Monroe | \$12,790,736 |
| Rankin | \$8,138,063 |

Forestry/Logging

| County | Sales |
|------------|---------------|
| Hinds | \$129,646,590 |
| Neshoba | \$64,995,532 |
| Lincoln | \$52,624,151 |
| Stone | \$40,964,161 |
| Smith | \$38,031,543 |
| Amite | \$35,029,780 |
| Franklin | \$27,825,911 |
| Yazoo | \$27,062,138 |
| Tishomingo | \$23,959,089 |
| Leake | \$23,775,049 |

*See Data Key

MISSISSIPPI COUNTY ECONOMIC CONTRIBUTION OF AGRICULTURAL SALES PROFILES DATA KEY

Data Key — All data were obtained from the 2021 IMPLAN dataset (www.implan.com) except for commercial logging (2021 Harvest of Forest Products. John Auel. Mississippi State University Extension. January 2022.).

IMPLAN Sector Data

For this contribution analysis, data from the 2021 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 2021 IMPLAN data and input-output relationships from IMPLAN (a proprietary economic impact estimation software package — <https://www.implan.com>) and information from the 2021 Harvest of Forest Products (<http://extension.msstate.edu/content/harvest-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.

Publication 3389-16 (04-23)

By **Alan Barefield**, Extension Professor, Department of Agricultural Economics, **Devon Mills**, Assistant Professor, Delta Research and Extension Center, **Abigail G. Lucas**, Student Assistant, Department of Agricultural Economics, **Kylie E. May**, Student Assistant, Department of Agricultural Economics, and **Adam R. Nathan**, Student Assistant, Department of Agricultural Economics.

Copyright 2023 by Mississippi State University. All rights reserved. This publication may be copied and distributed without alteration for nonprofit educational purposes provided that credit is given to the Mississippi State University Extension Service.

Mississippi State University is an equal opportunity institution. Discrimination in university employment, programs, or activities based on race, color, ethnicity, sex, pregnancy, religion, national origin, disability, age, sexual orientation, gender identity, genetic information, status as a U.S. veteran, or any other status protected by applicable law is prohibited.

Extension Service of Mississippi State University, cooperating with U.S. Department of Agriculture. Published in furtherance of Acts of Congress, May 8 and June 30, 1914. STEVE MARTIN, Interim Director.