

# Economic Contribution of Agricultural Sales

*Union County, MS (2022)*

*extension.msstate.edu/economic-profiles*

**Prepared by**

**Alan Barefield, Ph.D.**

**Devon Mills, Ph.D.**

**Sabhyata Lamichhane, Ph.D.**

**Abigail G. Lucas, Student Assistant**

**Department of Agricultural Economics**

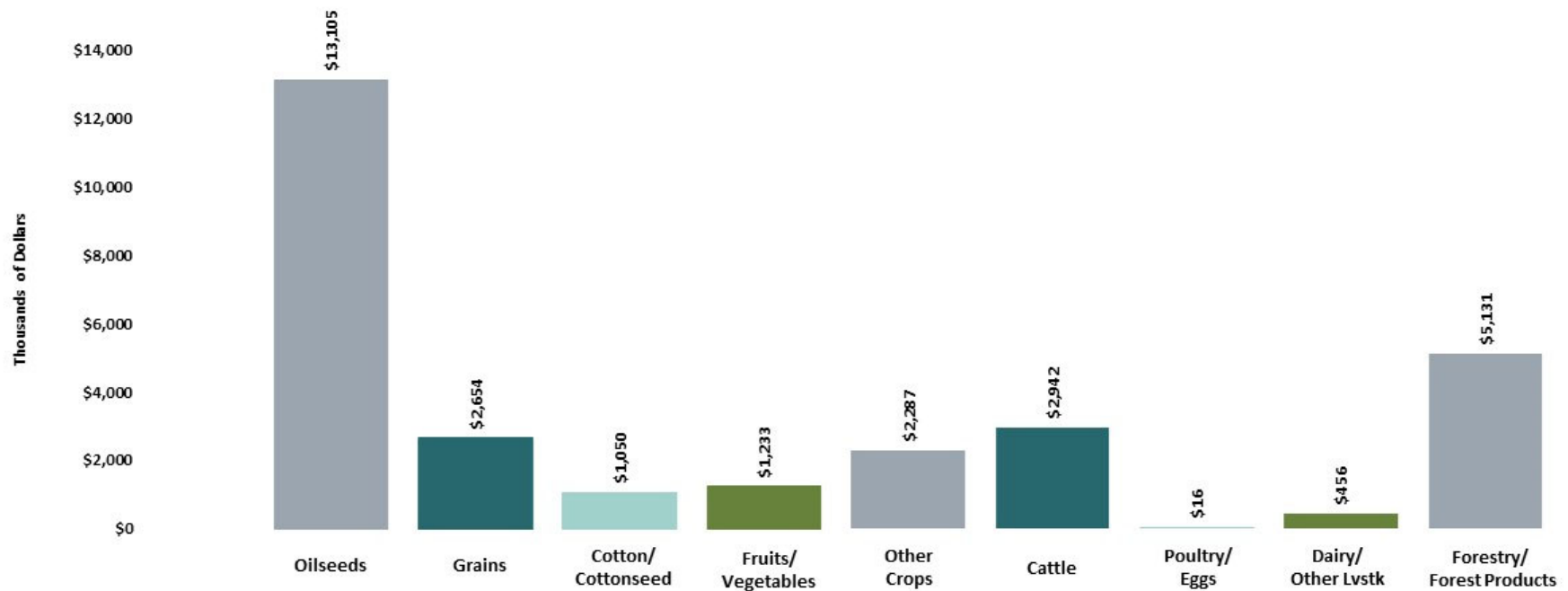


**MISSISSIPPI STATE**  
UNIVERSITY

**EXTENSION**

# Commodity Cash Receipts from Marketings

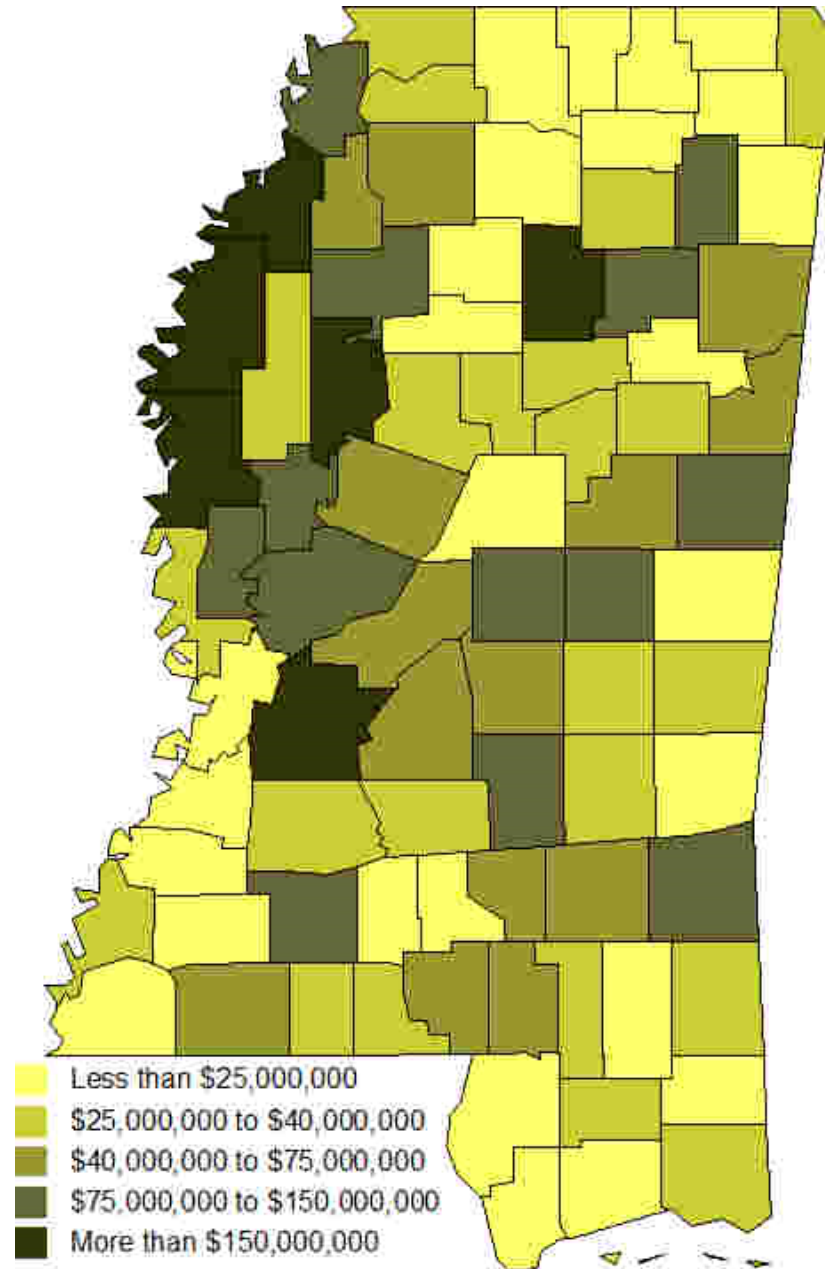
## Union County



Sales denoted in thousands of dollars

Source: 2021 IMPLAN Dataset

# Total Value Added Attributable to Agricultural Production



## State Ranking of County Sales

Commodity	Ranking
-----------	---------

Oilseeds	25
----------	----

---

Grains	38
--------	----

---

Cotton/Cottonseed	52
-------------------	----

---

Fruits/Vegetables	16
-------------------	----

---

Other Crops	46
-------------	----

---

Cattle	41
--------	----

---

Poultry/Eggs	66
--------------	----

---

Other Livestock/Dairy	61
-----------------------	----

---

<b>Economic Impacts</b>	<b>Employment</b>	<b>Labor Income</b>	<b>Value Added</b>	<b>Industry Sales</b>
Direct Effect	594.0	\$4,393,008	\$14,416,008	\$28,670,539
Indirect Effect	67.2	\$2,041,255	\$2,750,449	\$5,898,333
Induced Effect	14.0	\$537,520	\$1,115,856	\$2,114,665
<b>Total Effect</b>	<b>675.3</b>	<b>\$6,971,783</b>	<b>\$18,282,312</b>	<b>\$36,683,537</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	641.0	\$5,823,776	\$15,963,594	\$30,672,759
Construction	0.3	\$15,427	\$17,641	\$65,306
*TIPU	0.1	\$1,114	\$7,135	\$30,805
Manufacturing	0.1	\$13,031	\$79,936	\$561,222
Trade	5.9	\$220,903	\$500,561	\$1,099,849
Service	27.5	\$864,806	\$1,642,009	\$4,095,785
Government	0.4	\$32,725	\$71,383	\$156,618

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

<b>Industries Most Impacted by Agricultural Output</b>	<b>Employment</b>	<b>Labor Income</b>	<b>Value-Added</b>	<b>Industry Sales</b>
Support activities for agriculture and forestry	34.6	\$1,402,082	\$1,415,043	\$1,593,208
Other real estate	8.4	\$70,381	\$171,950	\$1,227,155
Petroleum refineries	0.1	\$10,494	\$76,188	\$537,561
Wholesale-Other nondurable goods merch whlsale	1.7	\$80,229	\$207,549	\$534,885
Owner-occupied dwellings	0.0	\$0	\$307,898	\$371,582

# Economic Metrics by Commodity

Commodity	Employ	Labor Income	Value Added	Output
Oilseeds	150	\$863,867	\$7,641,548	\$13,151,447
Grains	50	\$139,667	\$403,567	\$2,775,067
Cotton/ Cottonseed	19	\$172,411	\$425,023	\$1,069,710
Fruits/Vegetables	18	\$108,567	\$563,641	\$1,234,640
Other Crops	223	\$247,486	\$858,980	\$171,659
Cattle	62	\$58,293	\$1,061,838	\$2,958,586
Poultry/Eggs	0	\$660	\$1,101	\$16,021
Other Livestock/Dairy	24	\$46,582	\$348,837	\$0
Forestry/Logging	50	\$2,755,475	\$3,111,473	\$5,131,203
<b>Total</b>	<b>596</b>	<b>\$4,393,008</b>	<b>\$14,416,008</b>	<b>\$26,508,333</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		\$2		
TOPI: Property Tax		\$31,507		
Corp Profits Tax				\$0
Personal Taxes			\$2,848	
<b>Total Local Taxes</b>	<b>\$0</b>	<b>\$31,508</b>	<b>\$2,848</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	\$339			
TOPI: Sales Tax		\$77,284		
TOPI: Other Tax		\$6,508		
Corp Profits Tax				\$184,737
Personal Taxes			\$101,385	
<b>Total Local Taxes</b>	<b>\$339</b>	<b>\$83,792</b>	<b>\$101,385</b>	<b>\$184,737</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.*