Tennessee Ag & Forestry Stats

Economic Contributions of Agriculture and Forestry in Tennessee

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Information for this summary document was taken from the Research Series RR 21-004-A report titled "Economic Contributions of Agriculture and Forestry in Tennessee, 2021" found at: aimag.tennessee.edu Information sources for the tabular data can also be

found in this document.

This study continues the series of previous biannual reports beginning in 2001, using IMPLAN data to analyze the economic contributions and importance of the agricultural and forestry industrial complex on Tennessee's economy.

\$78 billion

In 2019, the *agri-forestry industrial complex* directly and indirectly contributed an estimated \$78.0 billion to the Tennessee economy, accounting for multiplier effects, which was **10.5%** of the economic activity conducted within the state.

EMPLOYS 342,658

Agriculture accounted for:

7.5% of the state's economy

\$56.3 BILLION IN OUTPUT

257,000 IN EMPLOYMENT

ennessee's agri-forestry industrial complex includes the primary industries typically associated with agricultural and forestry operations such as growing crops, the breeding and feeding of livestock, along with the management and logging of trees. The industrial complex also includes both input-supplying industries and value-added subsectors comprised of food and beverage manufacturing, apparel and textiles, and forestry products manufacturing.



Agriculture and forestry contributed an estimated

\$78 billion to Tennessee's

\$746 billion

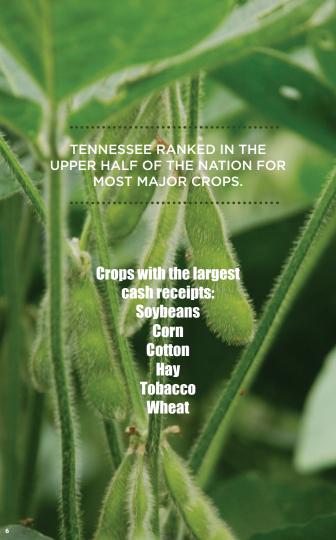
he following statistics are based upon a study using the Impact Analysis for Planning (IMPLAN) model's most recent data set (2019) for Tennessee to measure the economic contributions and importance of the agricultural and forestry industrial complex on Tennessee's economy. Not only were direct economic contributions on related input industries and resulting expenditures by households determined but also the indirect and induced impacts that economic activity might have on the entire Tennessee economy (*multiplier effects*).

Multipliers measure the response of the economy to a change in production or demand. The concept of multipliers rests on the difference between the initial impact of the final demand and total impacts of a change.

- Direct impacts measure the responses of an industry given a change in final demand for that same industry.
- Indirect impacts represent the response by all local industries that occur as a result of a change in final demand for a specific industry.
- Induced impacts represent the response by all local industries caused by increased or decreased expenditures of new household income generated (lost) from the direct and indirect impacts of the change in final demand for a specific industry.

IMPLAN output includes descriptive measures of the economy including total industry output (a measure of economic activity), employment, labor income and total value-added for 536 industries in the Tennessee economy.

- Employment represents total wage and salary employees, as well as self-employed jobs in a region, both full-time and part-time workers.
- Labor income is defined as employee compensation, as well as benefits and proprietary (owner-operator) income.
- Total industry output is defined as the value of production by industry per year or a measure of overall economic activity by that industry.
- Total value-added is defined as all income to workers paid by employers; self-employed income; interests, rents, royalties, dividends and profit payments; and excise and sales taxes paid by individuals to businesses.



2019 Tennessee Crop Commodity Rankings

Crops	Harvested Acreage	State Ranking	Cash Receipts ^a	Percent of TN Crop Total ^b
	(Thousand Acres)		(Thousand \$)	
Soybeans	1,370	17	\$624,041	29.1
Corn for grain	910		\$511,999	23.9
Cotton	405		\$236,094	11.0
Hay (all types)	1,763		\$153,010	
Tobacco	13.3		\$85,167	4.0
Winter wheat	215		\$79,790	3.7

abFor 2019, cash receipts for all commodities grown in Tennessee were \$3.5 billion (\$2.2 billion for crops).

Source: LISDA /FDS: LISDA /NASS

CASH RECEIPTS FOR 2019 CROP COMMODITIES TOTALED

\$2.2 billion.

Of the 4.7 million acres harvested: 37.4% in hay 29.1% in soybeans 19.3% in corn for grain 8.6% in cotton 4.6% in wheat

į

For 2019, Tennessee ranked 10th for all hay and 33rd for alfalfa

2019 Tennessee Livestock Rankings

			The state of the s	
Livestock	Inventory	State Cash Ranking Receipts ^a		Percent of Total ^b
	(Number)		(Thousand \$)	
Broilersc	177,700,000	16	\$457,715	35.8
All chickens ^d	2,601,000	31	\$60,229°	4.7
Cattle & calves ^f	1,800,000	11	\$487,665 ⁹	38.1
Beef cows ^h	914,000	13		
Hogs ⁱ	250,000	20	\$88,792 ⁹	6.9
Equine ^j	104,827	9 ^k		
Milk cowsf	32,000	31	\$105,924 ⁱ	8.3

 $^{^{}ab}\mbox{For 2019},$ cash receipts for all commodities were \$3.5 billion (\$1.3 billion for livestock and products).

TN RANKS

13th

in the U.S. for number of beef cows on farms. Tennessee's top beef cattle county is Greene County and Monroe County for dairy cattle.

^cPeriod December 1 previous year through November 30, 2019.

^dDecember 1, 2018-2019; excludes commercial broilers.

 $^{^{\}rm c}$ Includes eggs and farm chickens; excludes commercial broilers and turkeys.

January 1, 2019.

⁸Receipts from marketings and sale of farm slaughter. ^hIanuary 1, 2019.

[&]quot;January 1, 2019.

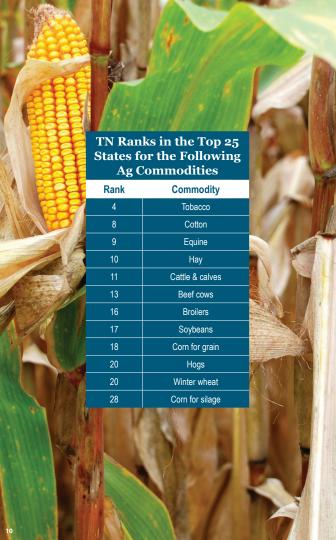
December 1, 2019.

Includes horses, ponies, mules, burros and donkeys.

 $^{^{\}rm k} \rm For~2017,$ Tennessee was ranked 9th for horses and ponies and 2nd for mules, burros and donkeys.

^lMilk cash receipts from marketings.





TN's Top Commodity Cash Receipts, 2019

Commodity	Value
	(Thousand \$)
Soybeans	\$624,041
Corn	\$511,999
Beef cattle & calves	\$487,665
Broilers	\$457,715
Cotton	\$236,094
Hay	\$153,010
Milk cows	\$105,924
Hogs	\$88,792
Tobacco	\$85,167
Wheat	\$79,790



In 2019, the average farm size was 155 acres.



Approximately 62.6% of all TN farms had sales in the \$1,000-\$9,999 range and 6.5% had sales of \$100,000 or more.



In 2019, 69,700 Tennessee , farms used 10.8 million acres or 40.1% of the state's land base.

Tennessee Ag Commodities with Largest U.S. Market Shares

7.9% Tobacco

4.5% Cotton

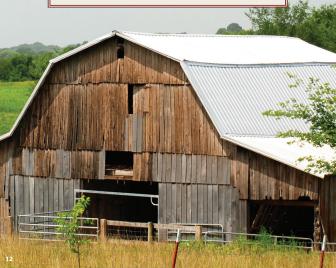
1.9% Greenhouse, nursery & floriculture

1.8% Oilseeds (primarily soybeans)

2019 CASH RECEIPTS FOR ALL COMMODITIES IN TENNESSEE:

\$3.5 billion

- \$2.2 billion (63.2%) from crops
- \$1.3 billion (36.8%) from livestock and livestock products



State Value of Agricultural Commodities & U.S. Market Share, 2019

Commodity	Value	U.S. Market Share
	(Million \$)	(Percent)
Grain farming	\$717.8	1.1
Oilseed farming	\$584.0	1.8
Poultry & egg production	\$537.1	1.3
Beef cattle farming	\$495.3	0.7
Cotton farming	\$327.3	4.5
Greenhouse, nursery & floriculture	\$312.6	1.9
Vegetable & melon farming	\$191.3	1.1
All other crop farming ^a	\$164.1	1.1
Animal production, except cattle/ poultry/eggs ^b	\$150.1	0.5
Dairy cattle & milk production	\$106.9	0.3
Tobacco farming	\$77.7	7.9
Commercial hunting & trapping	\$18.0	1.3
Fruit farming	\$12.2	0.1
Tree nut farming	\$2.2	0.02

^aPrimarily hay/seed farming.

^bPrimarily hogs, sheep and goats, aquaculture, equine and apiculture. Source: IMPLAN Group, LLC, 2019.



Composition of Tennessee forests is 89% hardwoods.

52% of TN is covered in forest. More than
120
tree species
exist in
Tennessee.

8.4 BILLION live trees.



13.9 MILLION ACRES

OF THAT 13.9 MILLION ACRES,

83.2% privately owned 10.0% federal 6.8% state/local.

Oak-hickory dominate forested TN acres at 9.9 MILLION.

Average Annual Removals of Sawtimber Trees by Species Group & Owner Class, 2017

Tree Species Group	Federal	State & Local	Private	Other ^a	Total ^b
Board Feet (international 1/4-inch rule)					
Loblolly & shortleaf pine		306,477°	112,834,266°	5,078,577°	118,219,320°
Other yellow pine		772,739°	7,664,304 ^d	8,145,512°	16,532,555 ^d
Eastern white & red pine	60,158°		15,475,269°	6,534,721°	22,070,148°
Eastern hemlock			1,056,562e		1,056,562°
Cypress				8,869,641°	8,869,641°
Other eastern softwoods			4,063,656 ^d	1,108,747°	5,172,403 ^d
Select white oaks	1,695,381°	4,027,379°	201,525,037°	23,546,614 ^d	230,795,411°
Select red oaks		8,205,197°	50,815,002d	1,295,433°	60,315,633 ^d
Other white oaks	1,576,846°	2,710,971°	86,487,129 ^d	9,297,802°	100,072,749°
Other red oaks	1,498,352°	1,263,209°	172,997,615°	30,368,670 ^d	206,127,847°
Hickory		1,605,986°	105,356,902°	7,087,920 ^d	114,050,808°
Hard maple		282,860°	17,632,795 ^d	2,011,964°	19,927,619 ^d
Soft maple		703,061°	9,405,633 ^d	3,661,835°	13,770,530 ^d
Beech			6,555,951 ^d	2,239,768°	8,795,719 ^d
Sweetgum		3,133,750°	32,664,370 ^d	5,072,544°	40,870,663 ^d
Tupelo & blackgum		945,447°	6,651,598 ^d	714,607°	8,311,651 ^d
Ash		1,055,155°	35,311,889 ^d	1,387,718°	37,754,761 ^d
Basswood			5,710,734 ^d	807,668e	6,518,402 ^d
Yellow poplar		15,377,065°	199,811,155°	24,948,909 ^d	240,137,129°
Black walnut			10,425,756d	1,827,578°	12,253,334 ^d
Other eastern soft hardwoods			37,412,879 ^d	14,364,512d	51,777,392°
Other eastern hard hardwoods			1,274,946 ^d	447,906°	1,722,853 ^d
TOTAL	4,830,737e	40,339,298d	1,121,134,448°	158,818,645°	1,325,123,129°

FORESTRY

accounted for

2.9%

of the state's economy, employed more than **85,500** Tennesseans and generated **\$21.7 billion** in output.

Tennessee's average annual sawtimber removals on timberland were estimated at

1.3 billion board feet

84.6%

of the timber removals came from private landowners.

Other non-federal public.

Source: USDA Forest Service, 2021

bTotals may not add due to rounding.

[°]Percent sampling error ≤ to 25 percent.

^dPercent sampling error > 25 percent and ≤ to 50 percent.

^{*}Percent sampling error > 50 percent.



FORESTRY EXPORTS

2019 exports of Tennessee forest products and furniture and related products outside the U.S. totaled

\$251.3 million.

\$160 million

export value of wood products.

\$91.0 million

export value of furniture & related products.

2019 Tennessee exports of forestry products totaled

\$47.9 million.



Top TN Forest Product Exports

Forest Products	Value of Sales
Oak lumber	\$83,732
Wooden casks	\$20,474
Ash lumber	\$12,337
Non-coniferous lumber	\$10,203
Oak logs	\$8,825

Top Export Markets for TN Forestry Products

•	
Country	Value of Sales
	(Million \$)
Canada	\$24.7
China	\$6.8
Portugal	\$3.4
Mexico	\$3.2
Vietnam	\$2.4

Top Major Export Markets for TN Crops

	_
Country	Value of Sales
	(Million \$)
Vietnam	\$156.4
Turkey	\$107.4
Pakistan	\$90.7
Indonesia	\$63.4
Bangladesh	\$52.6



Location of Cropland in Tennessee, 2019.

Top Five Export Markets for TN Livestock

Country	Value of Sales
	(Million \$)
Mexico	\$5.3
Canada	\$2.0
Japan	\$1.1
Panama	\$0.7
France	\$0.5

Estimated international exports for Tennessee farm products totaled nearly \$1.5 billion.

\$11.5
million
value of TN's
exported livestock
products.

\$731.5 million value of TN's exported crop products.

Top 10 Commodities Exported, **2019**

Commodity	Value
	(Million \$)
Soybeans	\$329.5
Other plant products	\$272.8
Cotton	\$251.9
Feeds & other grains	\$91.4
Soybean meal	\$77.5
Corn	\$76.1
Tobacco	\$62.1
Beef & veal	\$59.6
Wheat	\$56.9
Broiler meat	\$52.2

Agricultural & Forestry Manufacturing Industries

TN National Market Share

11 National Market	Bilaic
	(Percent)
Food manufacturing	2.7
Beverage & tobacco	5.3
Textile mills	4.0
Textile product mills	2.3
Wood product manufacturing	2.9
Paper manufacturing	2.9
Furniture & related products	2.7

AGRICULTURAL INPUT-SUPPLYING INDUSTRIES

– agricultural machinery and chemical products –
generated

\$1.8 billion

in cash receipts.

Of the value-added agri-forestry sectors, FOOD MANUFACTURING EMPLOYED the largest share at

33,700

\$1.9 billion

PRODUCTS SHIPPED (includes product mills & apparel).

\$10.7 billion

TN FOREST PRODUCTS SHIPPED (includes manufacturing of wood products, paper, furniture & related products).

Manufacturing Statistics for Tennessee, 2019

Manufacturing Industry/NAICS Code	Employees	Payroll	Establishments	Value of Shipments
	(Number)	(Thousand \$)	(Number)	(Thousand \$)
Food (311) Animal slaughtering/ processing (3116)	33,700 10,805	\$1,615,687 \$377,496	464 74	\$21,469,347 \$3,578,311
Beverage & tobacco products (312)	5,017	\$241,923	233	\$8,301,177
Textile mills (313)	3,019	\$150,946	70	\$1,088,302
Textile product mills (314)	2,386	\$91,504	150	\$533,909
Apparel (315)	2,699	\$74,965	106	\$239,628
Leather & allied products (316)	487		30	\$35,023
Wood products (321)	12,446	\$526,738	484	\$3,083,465
Paper (322)	10,107	\$672,892	190	\$5,563,096
Furniture & related products (337)	10,216	\$437,636	351	\$2,032,630
TOTAL ^a	80,077	\$3,812,291	2,078	\$42,346,577

^aValues for animal slaughtering and processing are embedded in food manufacturing (311) values.

80,000+

TENNESSEANS WERE EMPLOYED with a PAYROLL OF

\$3.8 billion.

In 2019, direct agricultural and forestryrelated industries contributed a total of

\$50.6 billion

or 6.8% of the state's economy.

DIRECT TOTAL VALUE ADDED

was \$15.2

BILLION, with

\$7.1 billion in labor income.

DIRECT EMPLOYMENT

in agricultural and forestryrelated industries was close to

187

or 4.5% of the workforce.

EMPLOYMENT

Agriculture

- 54.3% of workforce employed in primary agriculture.
- 43.8% employed in secondary agriculture.
- 1.8% in agricultural inputs.

Forestry

- 78.2% of the workforce was employed in secondary forestry.
- · 13.8% employed in primary forestry.
- . 8.1% in forestry inputs.

State Level: Direct Economic Activity in Agriculture & Forestry

Sector	TIOª	Employment	Labor Income ^b	TVA°
	(Million \$)	(Number)	(Million \$)	(Million \$)
All Sectors ^d	\$745,989	4,181,903	\$245,987	\$382,087
Agriculture & forestry	\$50,595	186,871	\$7,136	\$15,156
Agriculture	\$37,026	147,017	\$4,524	\$10,661
Inputs	\$1,815	2,693	\$195	\$401
Primary ag	\$3,957	79,887	-\$24	\$1,186
Secondary ag	\$31,253	64,437	\$4,353	\$9,075
Forestry	\$13,569	39,854	\$2,612	\$4,495
Inputs	\$345	3,223	\$222	\$216
Primary forestry	\$3,461	5,485	\$456	\$1,191
Secondary forestry	\$9,763	31,146	\$1,934	\$3,087

^aTotal Industry Output — annual value of production by industry.

Primary & Secondary Industries

Primary agriculture — crop and livestock commodities.

Secondary agriculture — food and beverage, tobacco products and textile manufacturing.

Agricultural inputs — agricultural chemicals and machinery.

Primary forestry — pulp, paper and paperboard mills; sawmills; and wood preservation.

Secondary forestry — wood products manufacturing.

Forestry inputs — forest machinery, timber tract production and commercial logging.

^bLabor Income — employment compensation (wage and salaries plus benefits) and proprietary income (payments received by self-employed individuals and unincorporated business owners).

^{&#}x27;Total Value Added — income to workers paid by employers; self-employed income; interest, rents, royalties, dividends and profit payments; and production and import taxes.

Includes non-agricultural and non-forestry (total economy)

State Level: Direct Economic Activity in Farm Production, 2019

Rank	Sector	TIO°	Employment	Labor Income ^b	TVA°
		(Million \$)	(Number)	(Million \$)	(Million \$)
All Fa	rm Production	\$3,957	79,887	-\$24	\$1,186
1	Grain farming	\$718	8,185	-\$52	\$61
2	Oilseed farming	\$584	3,509	-\$149	\$341
3	Poultry & egg production	\$537	2,342	\$2	\$48
4	Beef cattle farming	\$495	14,740	-\$36	\$130
5	Cotton farming	\$327	4,589	\$18	\$87
6	Greenhouse, nursery & floriculture production	\$313	4,769	\$26	\$100
7	Agriculture & forestry support activities	\$260	7,627	\$222	\$195
8	Vegetable & melon farming	\$191	3,537	-\$25	\$43
9	All other crop farming	\$164	22,928	\$2	\$33
10	Animal production, except cattle/poultry/ eggs	\$150	4,496	-\$30	\$98
11	Dairy cattle & milk production	\$107	542	-\$4	\$10
12	Tobacco farming	\$78	1,890	\$4	\$28
13	Commercial hunting & trapping	\$18	311	\$1	\$6
14	Fruit farming	\$12	350	-\$3	\$4
15	Tree nut farming	\$2	74	-\$1	\$1

^aTotal Industry Output — annual value of production by industry.

^bLabor Income — employment compensation (wage and salaries plus benefits) and proprietary income

⁽payments received by self-employed individuals and unincorporated business owners).

Total Value Added — income to workers paid by employers; self-employed income; interests, rents, royalties, dividends and profit payments; and production and import taxes.

Top Secondary Agricultural Products, 2019

Rank	Sector	TIO	Employment	Labor Income	TVA
		(Million \$)	(Number)	(Million \$)	(Million \$)
Total	Secondary Agriculture	\$31,253	64,437	\$4,353	\$9,075
1	Food manufacturing	\$21,606	44,796	\$3,232	\$5,285
2	Beverage manufacturing	\$3,922	6,561	\$407	\$1,137
3	Tobacco products manufacturing	\$3,271	1,098	\$102	\$1,873
4	Textile mills	\$1,329	3,624	\$222	\$356
5	Textile product mills	\$533	2,806	\$130	\$174

69.1%

OF THE TOTAL VALUE OF TOTAL INDUSTRY OUTPUT from processed agricultural products came from FOOD MANUFACTURING.

Food Manufacturing:

- · employed the largest number of workers,
- had the largest amount of labor income,
- and contributed the largest amount in total value added.

State's Largest Output Value for Primary Forest Products

	Total Industry Output Value* (Million \$)
Paper mills	\$2,080
Paperboard mills	\$1,909
Sawmills	\$1,454
Pulp mills	\$128
Wood preservation	\$108
TOTAL	\$6,333

^{*}Values with multiplier effects.

State's Largest Output Value for Secondary Forest Products

	Total Industry Output Value* (Million \$)
Paper manufacturing	\$7,937
Furniture & related products manufacturing	\$2,865
Other wood products manufacturing	\$1,440
Wood windows & doors & millwork	\$1,208
Manufactured homes manufacturing	\$1,180
Veneer, plywood & engineered wood products manufacturing	\$775
TOTAL	\$15,405

^{*}Values with multiplier effects.

Total Economic Impacts from Agricultural and Forestry Inputs, 2019

Sector	TIO°	Employment	Labor Income ^b	TVA°
	(Million \$)	(Number)	(Million \$)	(Million \$)
Total Agricultural Inputs	\$2,751	7,530	\$493	\$889
Agricultural mach	inery \$1,724	5,111	\$312	\$524
Agricultural chem	icals \$1,027	2,419	\$181	\$366
Total Forestry Inpu	uts \$654	5,768	\$338	\$397
Commercial loggi	ng \$523	4,904	\$284	\$327
Sawmills, woodworking & pa machinery	aper \$87	416	\$28	\$38
Forestry, forest products & timber operations	tract \$45	447	\$26	\$32

'Total Industry Output — annual value of production by industry.

*Labor Income — employment compensation (wage and salaries plus benefits) and proprietary income (payments received by self-employed individuals and unincorporated business owners).

*Total Value Added — income to workers paid by employers, self-employed income; interests, rents,



Tennessee Counties with Highest Proportion of Economic Activity for Agriculture & Forestry, 2019^a

Sectors County Percent

0001010	County	. 0.00		
Agriculture				
Primary	Clay	15.0		
	Lake	14.6		
All	Moore	64.8		
All	Meigs	31.5		
Forestry				
Primary	Grundy	1.5		
	Macon	1.4		
All	Hardin	23.7		
All	Grainger	19.9		
Combined (A	g & Forestry)			
Drimon	Clay	15.8		
Primary	Lake	14.7		
All	Moore	65.5		
All	Meigs	34.0		
^a Compared to all economic activity for the county.				



Estimated Total Economic Impacts from Ag & Forestry

	Total Industry Output Value (Million \$)	Labor Income (Million \$)
Agriculture & Forestry	\$78,042	\$15,970
Agriculture	\$56,304	\$10,677
Inputs	\$2,751	\$493
Primary agriculture	\$6,493	\$667
Secondary agriculture	\$47,061	\$9,517
Forestry	\$21,738	\$5,293
Inputs	\$654	\$338
Primary forestry	\$5,679	\$1,153
Secondary forestry	\$15,405	\$3,802

\$78 BILLION

The estimated value that agriculture and forestry contributed to Tennessee's **\$746 billion** economy in 2019.

Special Section: 2019 Base Acres for Tennessee

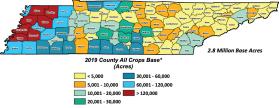
USDA's Farm Service Agency has two programs to help crop producers mitigate risk: Agriculture Risk Coverage-County (ARC-CO) and Price Loss Coverage (PLC). ARC-CO provides income support to producers and is tied to a county's base acres for covered commodities. When a county's crop revenue for the covered commodity is less than the ARC-CO guarantee, a commodity payment is issued. The PLC authorizes program payments when the effective price of a covered commodity is less than the respective reference price for the commodity.

Base and Planted Crop Acres for Tennessee, 2019

Crop	Base Acres	Percent	Planted
Barley	2,408.8	0.1	a
Canola	304.3	0.01	a
Corn	935,963.2	33.4	970,000
Oats	3,716.4	0.1	a
Peanuts	1,124.8	0.04	a
Rice	2,803.8	0.1	a
Cotton	613,330.9	21.9	410,000
Sorghum	49,664.7	1.8	a
Soybeans	781,336.7	27.9	1,400,000
Sunflowers	152.0	0.01	a
Wheat	414,178.1	14.8	280,000
Total	2,804,983.7	100.0	

"No data. Source: USDA/FSA, 2021

County-Level Base Acreage for All Crops in Tennessee, 2019.



^{*}Includes barley, canola, corn, oats, peanuts, rice, seed cotton, sorghum, soybeans, sunflowers, wheat and unassigned generic.

In Tennessee, 2019 PLC and ARC-CO payments totaled \$68.6 million and \$7.8 million, respectively.

Top Three Counties with Largest Base Acreage for Selected Crops, 2019

All Crops ^a	Corn	Cotton	Wheat	Soybeans	Sorghum
Gibson	Obion	Haywood	Obion	Dyer	Dyer
(239,219)	(84,963)	(107,161)	(40,052)	(90,071)	(5,281)
Dyer	Weakley	Crockett	Gibson	Obion	Fayette
(216,915)	(77,445)	(76,844)	(35,379)	(80,261)	(4,257)
Obion	Gibson	Tipton	Dyer	Gibson	McNairy
(214,539)	(66,249)	(61,527)	(33,145)	(64,754)	(3,706)

Includes barley, canola, oats, peanuts, rice, cotton, sorghum, soybeans, sunflowers, wheat and unassigned generic. Source: USDA/FSA, 2021

Commodity Changes, 2017 to 2019

Livestock Commodity	% Change to Inventory	Price Change (%)
All hogs	6.4	3.6
Broilers	3.6	-10.7
All cattle & calves	-1.6	-17.5
Eggs	-8.5	-5.2
All chickens	-12.0	-1.1
Milk cows	-20.0	-

	op ommodity	% Change to Harvested Acres	Price Change (%)
Сс	orn	28.2	11.3
Сс	otton	19.1	-10.5
На	ay, all	5.9	-3.7
So	ybeans	-17.5	-6.7
W	heat	-21.8	18.5
То	bacco	-37.0	6.3



TAX IMPACTS

\$2.1 billion

THE ESTIMATED 2019 TAX IMPACTS at the state and local levels as a result of direct and multiplier effects for agriculture and forestry. An additional **\$3.6 billion** is generated for the federal government.

Agricultural tax revenues:

- \$1.6 billion, state/local
- \$2.5 billion, federal

Forestry tax revenues:

- \$0.5 billion, state/local
- \$1.1 billion, federal







Agri-Industry Modeling & Analysis Group



AGRICULTURAL & RESOURCE ECONOMICS

INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

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