Tennessee Ag & Forestry Stats

Economic Contributions of Agriculture and Forestry in Tennessee

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2023













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Information for this summary document was taken from the Research Series RR 23-001-A report titled "Economic Contributions of Agriculture and Forestry in Tennessee, 2023" 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 1997, using IMPLAN data to analyze the economic contributions and importance of the agricultural and forestry industrial complex on Tennessee's economy.

\$89 billion

In 2021, the *agri-forestry industrial complex* directly and indirectly contributed an estimated \$89.0 billion to the Tennessee economy, accounting for multiplier effects, which was **10.9%** of the economic activity conducted within the state.

EMPLOYS 366,154

Agriculture accounted for:

3% OF THE STATE'S ECONOMY

\$65.6 BILLION IN OUTPUT

281,794 in employment

Tennessee'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.

The following statistics are based upon a study using the Impact Analysis for Planning (IMPLAN) model's most recent data set (2021) 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 546 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.

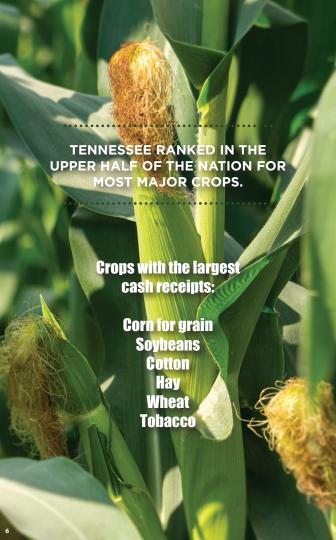
Agriculture and forestry contributed

\$89 billion

to Tennessee's

\$820 billion

economy.



2021 Tennessee Crop Commodity Rankings

Crops	Harvested Acreage	TN Ranking	Cash Receipts ^a	Percent of TN Crop Total ^b
	(Thousand Acres)		(Thousand \$)	
Hay (all types)	1,705		\$192,858	6.8
Soybeans	1,520	17	\$781,936	27.5
Corn for grain	960	17	\$864,751	30.4
Winter wheat	330		\$141,092	5.0
Cotton, lint	270		\$250,295	8.8
Corn, silage				
Tobacco, all	12.9		\$78,912	2.8

^{a,b}For 2021, cash receipts for all commodities grown in Tennessee were \$4.4 billion (\$2.8 billion for crops).

Source: USDA/ERS: USDA/NAS

CASH RECEIPTS FOR 2021 CROP COMMODITIES TOTALED

\$2.8 billion.

Of the 4.8 million acres harvested: 35.5% in hay 31.7% in soybeans 20% in corn for grain 6.9% in wheat 5.6% in cotton

į

^{&#}x27;For 2021, Tennessee ranked 32nd for alfalfa hay

2021 Tennessee Livestock Rankings

Livestock	Inventory	State Ranking	Cash Receipts ^a	Percent of Total ^b
	(Number)		(Thousand \$)	
Broilers ^c	195,300,000	15	\$602,596	38.7
All chickens ^d	3,103,000	27	\$69,242°	4.4
Cattle & calves ^f	1,790,000	16	\$582,781 ^g	37.4
Beef cows ^h	900,000	12		
Hogs ⁱ	305,000	19	\$121,525 ⁹	7.8
Equine ^j	104,827	9 ^k		
Milk cowsf	28,000	32	\$97,079	6.2

 $^{^{}ab}\mbox{For 2021, cash receipts for all commodities were $4.4 billion ($1.6 billion for livestock and products).$

TN RANKS

12th

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.

ePeriod December 1 previous year through November 30, 2021.

 $^{^{\}rm d} December~1,~2020\mbox{-}2021;$ excludes commercial broilers.

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

January 1, 2021.

 $^{{}^{\}rm g}\textsc{Receipts}$ from marketings and sale of farm slaughter.

hAs of January 1, 2021.

December 1, 2021.

Includes horses, ponies, mules, burros and donkeys.

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

Milk cash receipts from marketings.



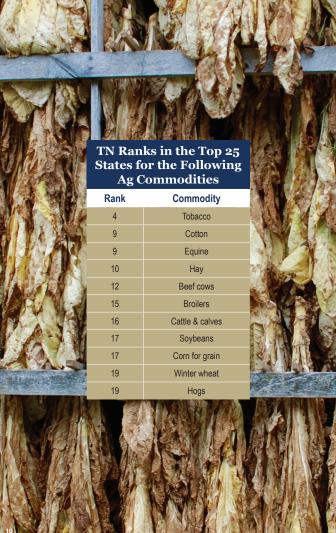
TN RANKS 16th

in the U.S. for the number of cattle and calves on farms.

TN RANKS **15th**

in the U.S. for the number of broilers on farms.





TN's Top Commodity Cash Receipts, 2021

	_
Commodity	Value
	(Million \$)
Corn	\$864.7
Soybeans	\$782.0
Broilers	\$602.6
Cattle & calves	\$582.8
Cotton	\$250.3
Hay	\$192.9
Wheat	\$141.1
Hogs	\$121.5
Dairy	\$97.1
	-







2021 CASH RECEIPTS FOR ALL COMMODITIES IN TENNESSEE:

\$4.4 billion

- \$2.8 billion (64.6%) from crops
- \$1.6 billion (35.4%) from livestock and livestock products

Tennessee Ag Commodities with Largest U.S. Market Shares

Tobacco	7.9%
Cotton	3.4%
Greenhouse, nursery & floriculture	1.9%
Oilseed (primarily soybeans)	1.6%
Poultry & egg production	1.5%
Grain farming	1.0%
All other crop farming ^a	1.0%

^aPrimarily hay/seed farming.

TN DAIRY FARMING COMPARED TO 2019 REPORT

- Total milk production declined by 7.8%.
- Number of head declined 12.5%.
- Production per cow increased 5.4%.

State Value of Agricultural Commodities & U.S. Market Share, 2021

Commodity	Value of Production ^a	U.S. Market Share
	(Million \$)	(Percent)
Grain farming	\$1,047.5	1.0
Oilseed farming	\$967.4	1.6
Poultry & egg production	\$696.0	1.5
Beef cattle farming	\$591.3	0.8
Greenhouse, nursery & floriculture	\$380.4	1.9
Cotton farming	\$273.2	3.4
Animal production, except cattle/ poultry/eggs ^b	\$212.0	0.6
All other crop farming ^c	\$187.4	1.0
Vegetable and melon farming	\$119.2	0.5
Dairy cattle & milk production	\$98.0	0.2
Tobacco farming	\$84.1	7.9
Fruit farming	\$13.6	0.1
Tree nut farming	\$2.6	0.03

^aIncludes on-farm consumption, and it is net of inventory changes.

Source: IMPLAN Group, LLC, 2021 data.

^bPrimarily hogs, sheep and goats, aquaculture, equine and apiculture.

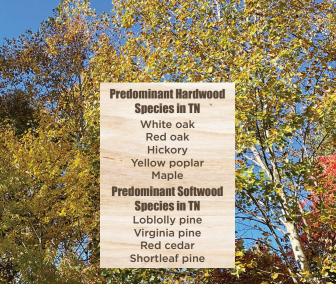
^{&#}x27;Primarily hay/seed farming.



Composition of Tennessee forests is 89% hardwoods.

51% of TN is covered in forest. More than 120 tree species exist in Tennessee.

8.5 BILLION estimated live trees.



13.8 MILLION ACRES

in forest.

OF THAT 13.8 MILLION ACRES,

82.9% privately owned 10.0% federal 7.1% state/local.

Oak-hickory dominate forested TN acres at 9.9 MILLION.

Average Annual Removals of Sawtimber Trees by Species Group & Owner Class, 2019

11/1	Tree Species Group	Federal	State & Local	Private	Other ^a	Total ^b
0	Board Feet (international 1/4-inch rule)					
¥.	Loblolly & shortleaf pine		4,383,316°	110,751,982°	7,442,061 ^d	122,577,359°
	Other yellow pine		727,878°	5,121,528°	13,624,657°	19,474,063d
THE STATE OF	Eastern white & red pine	55,017°		15,592,537°	6,581,930°	22,229,484°
	Eastern hemlock			1,064,195°		1,064,195°
3	Cypress	17,981,222°			9,109,787°	27,091,009°
4	Other eastern softwoods			3,765,817 ^d	1,476,335°	5,242,152 ^d
110	Select white oaks	276,203°	9,550,576°	168,361,055°	26,071,410 ^d	204,259,244°
	Select red oaks		8,263,529e	51,322,074 ^d	3,020,674°	62,606,277 ^d
2	Other white oaks	1,588,056°	2,942,821e	90,302,762 ^d	13,268,990 ^d	108,102,629°
4	Other red oaks	1,425,271°	1,272,190°	149,900,834°	25,564,705 ^d	178,163,000°
	Hickory		3,164,598°	84,109,240°	8,127,877 ^d	95,401,715°
	Hard maple		284,871°	20,183,268 ^d	2,030,577°	22,498,716 ^d
	Soft maple			7,487,734 ^d	2,428,641°	10,964,392d
	Beech	1,048,017°		10,472,039 ^d	2,258,839°	12,730,878 ^d
	Sweetgum		3,156,028°	30,246,302 ^d	8,313,127°	41,715,457 ^d
	Tupelo & blackgum		952,168°	6,770,387 ^d	1,813,999°	9,536,554 ^d
	Ash	2,235,248°	1,062,656e	19,350,077 ^d	892,201°	23,540,182d
Ą	Basswood			2,604,691 ^d	813,503°	3,418,194°
	Yellow poplar		16,640,878°	213,575,423°	22,098,598 ^d	252,314,899°
2	Black walnut			10,085,950 ^d	782,566°	10,868,516 ^d
	Other eastern soft hardwoods		791,763°	31,306,922 ^d	21,352,873 ^d	53,451,558°
>	Other eastern hard hardwoods			702,865°	583,245°	1,286,110°
	TOTAL	24,609,034°	53,193,272d	1,033,077,682°	177,656,595°	1,288,536,583°



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

1.3 billion board feet

80.2%

of the timber removals came from private landowners.

Other non-federal public.

Totals may not add due to rounding.

Percent sampling error ≤ to 25 percent.

Percent sampling error > 25 percent and ≤ to 50 percent.

Percent sampling error > 50 percent.

Source: USDA Forest Service, 2023



FORESTRY EXPORTS

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

\$250.0 million.

\$166.0 million

export value of wood products.

\$84.0 million

export value of furniture & related products.

2021 Tennessee exports of forestry products totaled

\$49.0 million.



Top TN Forest Product Exports

Forest Products	Value of Sales
	(Thousand \$)
Oak lumber, sawn	\$87,685
Ash lumber, sawn	\$15,008
Wooden casks & barrels	\$13,493
Non-coniferous lumber, sawn	\$12,105
Builders' joinery & carpentry wood	\$10,320

Top Export Markets for TN Forestry Products

Country	Value of Sales
	(Million \$)
Canada	\$23.0
China	\$12.0
Hong Kong	\$3.0
Mexico	\$3.0
Japan	\$1.0

Top Major Export Markets for TN Crops

	_
Country	Value of Sales
	(Million \$)
China	\$160.0
Turkey	\$103.0
Pakistan	\$93.0
Vietnam	\$81.0
Bangladesh	\$34.0

Location of Cropland in Tennessee, 2021



Top Five Export Markets for TN Livestock

Country	Value of Sales
	(Million \$)
China	\$11.0
Mexico	\$3.0
Brazil	\$1.0
Canada	\$1.0
Vietnam	\$1.0

Estimated international exports for Tennessee farm products totaled nearly \$1.9 billion.

\$25.0 million

exported livestock products.

\$703.0 million value of TN's exported crop products.

Top 10 Commodities Exported, 2021

Commodity	Value
	(Million \$)
Soybeans	\$435.8
Other plant products	\$300.1
Cotton	\$218.0
Corn	\$203.8
Feed & other feed grains	\$135.2
Soybean meal	\$89.3
Wheat	\$85.5
Beef & veal	\$84.2
Broiler meat	\$71.8
Tobacco	\$70.5

AGRICULTURAL & FORESTRY MANUFACTURING INDUSTRIES

\$46.6 billion

VALUE OF SHIPMENTS.

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

35,100

\$1.9 billion

TN TEXTILE MILL PRODUCTS SHIPPED (includes product mills & apparel).

\$12.5 billion

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

TN National Market Share

	(Percent)
Beverage & tobacco	5.2
Textile mills	4.3
Paper manufacturing	3.1
Furniture & related products manufacturing	2.8
Wood product manufacturing	2.7
Food manufacturing	2.6
Textile product mills	2.2
Apparel manufacturing	2.1

Manufacturing Statistics for Tennessee, 2021

Manufacturing Industry/NAICS Code	Employees	Payroll	Establishments	Value of Shipments
	(Number)	(Thousand \$)	(Number)	(Thousand \$)
Food (311) Animal slaughtering/ processing (3116)	35,100 <i>10,831</i>	\$1,841,363 <i>\$454,987</i>	552 83	\$23,571,084 \$4,296,183
Beverage & tobacco products (312)	4,331	\$254,900	271	\$8,687,504
Textile mills (313)	2,878	\$173,412	81	\$1,140,513
Textile product mills (314)	2,268	\$93,375	150	\$523,283
Apparel (315)	2,449	\$60,098	107	\$197,858
Leather & allied products (316)	a	a	33	a
Wood products (321)	12,804	\$578,128	504	\$4,214,411
Paper (322)	10,327	\$688,551	209	\$6,151,903
Furniture & related products (337)	9,773	\$137,166	394	\$2,109,356
TOTAL®	79,930	\$3,826,993	2,301	\$46,595,912

^aNot reported due to high sampling variability.

^bValues for animal slaughtering and processing are included in food manufacturing (311) values.

80,000+

TENNESSEANS WERE EMPLOYED with a PAYROLL OF

\$3.8 billion.

In 2021, direct agricultural and forestryrelated industries contributed a total of

\$58.0 billion

or 7.1% of the state's economy.

DIRECT TOTAL VALUE ADDED

\$21.5

BILLION, with

\$8.6 billion in labor income.

DIRECT EMPLOYMENT

in agricultural and forestryrelated industries was close to

> 189 THOUSAND

or 4.6% of the workforce.

EMPLOYMENT

Agriculture

- 53.6% of workforce employed in primary agriculture.
- 44.4% employed in secondary (value-added) agriculture.
- 2.0% in agricultural inputs.

Forestry

- 78.5% of the workforce was employed in secondary (value-added) forestry.
- 13.2% employed in primary forestry.
- 8.3% in forestry inputs.

State Level: Direct Economic Activity in Agriculture & Forestry

Sector	TIOª	Employment	Labor Income ^a	TVAª
	(Million \$)	(Number)	(Million \$)	(Million \$)
All Sectors ^b	\$820,036	4,128,541	\$275,541	\$436,829
Agriculture & forestry	\$58,034	188,728	\$8,853	\$21,483
Agriculture	\$43,533	148,950	\$5,883	\$15,978
Inputs	\$2,064	2,944	\$269	\$598
Primary ag	\$4,903	79,804	\$709	\$1,656
Secondary ag	\$36,566	66,202	\$4,906	\$13,724
Forestry	\$14,501	39,778	\$2,970	\$5,505
Inputs	\$366	3,293	\$222	\$223
Primary forestry	\$3,495	5,267	\$493	\$1,376
Secondary forestry	\$10,640	31,218	\$2,255	\$3,906

"TIO=total industry output; TVA=total value added. See definitions on page 5 for more information.

bIncludes non-agricultural and non-forestry (total economy).

TN's Agri-Forestry Industrial Complex

Primary agriculture — crop and livestock commodities.

 $\textbf{Secondary agriculture} \, - \, \text{food and beverage, tobacco products,}$

textile manufacturing, and leather and allied products.

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.

State Level: Direct Economic Activity in Farm Production, 2021

Rank	Sector	TIO ^{a,b}	Employment	Labor Income ^a	TVAª
		(Million \$)	(Number)	(Million \$)	(Million \$)
All Fa	arm Production	\$4,903	79,804	\$709	\$1,656
1	Grain farming	\$1,048	10,696	\$87	\$54
2	Oilseed farming	\$967	5,398	\$94	\$523
3	Poultry & egg production	\$696	2,638	\$26	\$66
4	Beef cattle farming	\$591	14,568	\$31	\$174
5	Cotton farming	\$380	5,118	\$64	\$181
6	Greenhouse, nursery & floriculture production	\$273	3,210	\$67	\$107
7	Agriculture & forestry support activities	\$220	7,092	\$237	\$210
8	Vegetable & melon farming	\$212	5,553	\$35	\$141
9	All other crop farming	\$187	20,432	\$31	\$74
10	Animal production, except cattle/poultry/ eggs	\$119	1,755	\$13	\$57
11	Dairy cattle & milk production	\$98	438	\$4	\$18
12	Tobacco farming	\$84	1,849	\$20	\$37
13	Commercial hunting & trapping	\$14	309	\$2	\$9
14	Fruit farming	\$9	204	\$0°	\$3
15	Tree nut farming	\$3	65	\$0°	\$2

 $^{^{\}circ}\text{TIO}\text{=}\text{total}$ industry output; TVA=total value added. See definitions on page 5 for more information.

^bIncludes on-farm consumption, and it is net of inventory changes.

^{&#}x27;Values of zero are nonzero values less than 1.

Direct Economic Activity for Secondary Agricultural Products, 2021

Sector	TIOª	Employment	Labor Income ^a	TVAª
	(Million \$)	(Number)	(Million \$)	(Million \$)
Total Secondary Agriculture	\$36,566	66,202	\$4,906	\$13,724
Food manufacturing	\$25,401	46,477	\$3,643	\$8,079
Beverage manufacturing	\$4,889	7,532	\$496	\$1,946
Tobacco products manufacturing	\$3,837	1,006	\$100	\$2,971
Textile mills	\$1,307	3,613	\$243	\$319
Apparel manufacturing	\$581	4,639	\$276	\$234
Textile product mills	\$490	2,476	\$133	\$161
Leather & allied products manufacturing	\$62	458	\$16	\$14

^{*}TIO=total industry output; TVA=total value added. See definitions on page 5 for more information.

69.5%

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.

Direct Economic Activity for Primary Forest Products

	Total Industry Output Value (Million \$)
Paper mills	\$1,499
Paperboard mills	\$1,009
Sawmills	\$880
Wood preservation	\$79
Pulp mills	\$29
TOTAL	\$3,495

Direct Economic Activity for Secondary Forest Products

	Total Industry Output Value (Million \$)
Paper manufacturing	\$5,421
Furniture & related products manufacturing	\$1,721
Wood windows & doors & millwork	\$1,018
Manufactured homes manufacturing	\$991
Other wood products manufacturing	\$871
Veneer, plywood & engineered wood products manufacturing	\$619
TOTAL	\$10,640

Total Economic Impacts from Agricultural and Forestry Inputs, 2021^a

	•	- /		
Sector	TIO⁵	Employment	Labor Income ^b	TVA⁵
	(Million \$)	(Number)	(Million \$)	(Million \$)
Total Agricultural Inputs	\$3,125	7,819	\$614	\$1,167
Agricultural machinery	\$2,068	5,703	\$387	\$674
Farm machinery & equipment	\$480	1,403	\$103	\$172
Lawn & garden equipment	\$1,588	4,300	\$284	\$502
Agricultural chemicals	\$1,056	2,116	\$226	\$493
Nitrogenous fertilizer	\$15	32	\$3	\$6
Phosphatic fertilizer	\$9	22	\$2	\$4
Fertilizer mixing	\$29	84	\$7	\$12
Pesticide & other ag chemicals	\$897	1,693	\$192	\$420
Lime	\$106	285	\$23	\$52
Total Forestry Inputs	\$669	5,553	\$337	\$404
Commercial logging	\$528	4,651	\$274	\$326
Sawmills, woodworking & paper machinery	\$91	415	\$33	\$42
Forestry, forest products & timber tract operations	\$51	487	\$30	\$36

bTIO=total industry output; TVA=total value added. See definitions on page 5 for more information

Tennessee Counties with Highest Proportion of Economic Activity for Agriculture & Forestry, 2021^a

Sectors	County	Percent		
Agricultu	re			
Drimor	Lake	18.9		
Primar	Clay	16.4		
All	Moore	59.9		
All	Trousdale	26.5		
Forestry	,			
Primar	Wayne	1.9		
FIIIIai	y Grundy	1.6		
All	Grainger	24.2		
All	Hardin	20.6		
Combine	Combined (Ag & Forestry)			
Drimor	Lake	18.9		
Primar	y Clay	16.4		
All	Moore	60.1		
All	Meigs	34.4		

^aCompared to all economic activity for the county.

Estimated Total Economic Impacts from Ag & Forestry^a

	Total Industry Output Value (Million \$)	Labor Income (Million \$)
Agriculture & Forestry	\$88,999	\$18,658
Agriculture	\$65,590	\$12,698
Inputs	\$3,125	\$614
Primary agriculture	\$7,902	\$1,573
Secondary agriculture	\$54,564	\$10,511
Forestry	\$23,409	\$5,960
Inputs	\$669	\$337
Primary forestry	\$5,752	\$1,288
Secondary forestry	\$16,987	\$4,335

^aValue with multiplier effects.

\$89 BILLION

The estimated value that agriculture and forestry contributed to Tennessee's \$820 billion

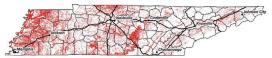
economy in 2021.

SPECIAL SECTION: FARMLAND LOSS

The American Farmland Trust initiated research focused on farmland loss in the U.S. that included spatial analyses of U.S./state farmland loss between 2001 and 2016. Two land classifications were determined: land best suited for intensive crop production (significant agricultural land) and best lands in each state. For the U.S., research indicated 4.1 million acres were converted to urban and highly developed land (UHD). For low-density residential (LDR) land, that value was close to 7 million acres. Low-density residential conversion predisposes further conversion to UHD land (23 times more likely).

Tennessee ranked **4th** in the nation as one of the most threatened states for agricultural land converted to UHD and LDR land use.

Nationally Significant Agricultural Land for Tennessee



TN RANKED 3RD

for conversion of nationally significant agricultural land at 212,000 acres.

TN RANKED 10TH

in population growth at 894,000.

States with Highest UHD^a & LDR^a Land Conversions

	Acres
Texas	1.4 M
North Carolina	732,000
Tennessee	659,000
Georgia	544,000
California	466,000

*UHD = urban and highly developed; LDR = low density residential Source: American Farmland Trust and Conservation Science Partners, 2020.

Agricultural Land Converted to Urban & Highly Developed or Low-Density Residential Land Use, 2001-2016



Best Agricultural Land for Tennessee



WEAK LAND USE REGULATIONS AT STATE LEVEL

cited as primary factor for LDR land conversion.

POPULATION GROWTH

cited as primary factor in UHD land conversion.

Commodity Changes, 2019 to 2021

Livestock Commodity	% Change to Inventory	Price Change (%)
All hogs	22.0	18.7
All other chickens	19.3	29.0
Broilers	9.9	9.9
Eggs	8.4	6.9
All cattle & calves	-0.6	10.3
Milk cows	-12.5	-

Crop Commodity	% Change to Harvested Acres	Price Change (%)
Wheat	53.5	26.1
Soybeans	10.9	41.4
Corn	4.4	43.5
Hay, all	-3.3	14.5
Tobacco	-9.8	6.0
Cotton	-33.3	49.2



TAX IMPACTS

\$2.1 billion

THE ESTIMATED 2021 TAX IMPACTS at the state and local levels as a result of direct and multiplier effects for agriculture and forestry. An additional **\$3.9 billion** is generated for the federal government.

Agricultural tax revenues:

- \$1.7 billion, state/local
- \$2.7 billion, federal

Forestry tax revenues:

- \$467.5 million, state/local
- \$1.2 billion, federal







Agri-Industry Modeling & Analysis Group



AGRICULTURAL & RESOURCE ECONOMICS

INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

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