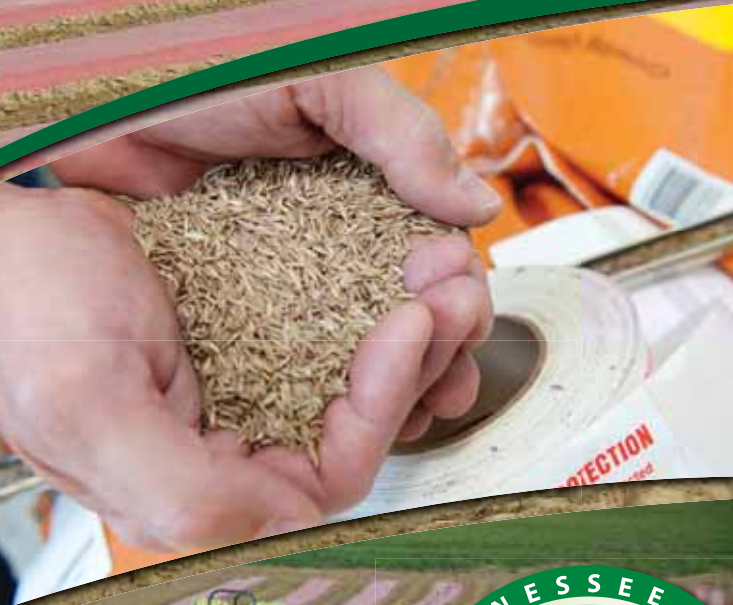


Tennessee Agriculture 2012

Department Report & Statistical Summary



Tennessee Department of Agriculture
Ellington Agricultural Center
P.O. Box 40627
Nashville, Tennessee 37204

TN.gov/Agriculture
nass.usda.gov/tn
PickTnProducts.org
BurnSafeTn.org

Rising to the Challenge

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Commissioner Julius Johnson and Gov. Bill Haslam speak to farmers at Woodburn Farm in Fayette County.

*Cover background and selected photographs:
Dennis Binkley, Country Pride Farm, Cheatham County, Tenn.*

*Other selected cover photographs:
Richland Elementary School, Giles County, Tenn.
Phil Hurst, TDA Ag Inputs Inspector*

*Cover background/Country Pride Farm photographs by
Boyd Barker, Director of Special Projects, TDA*

*Forest waterfall photograph by
Tim Phelps, Forestry Info. & Edu. Program Specialist, TDA*

*Design and layout by Art Colebank, Graphic Arts
Selected photographs by Dawn Majors, Photographic Services
Tennessee Department of General Services*

Tom Womack and Heather Orne, Project Managers, TDA



Governor Bill Haslam



I want to position Tennessee to be a leader in jobs creation and education, and to improve the quality of life for all Tennesseans while working within our means to run state government effectively and efficiently. The priorities I've set for this administration will have a long lasting impact on both rural and urban citizens.

The Department of Agriculture is an important part of helping us meet those priorities and I'm excited about the success we're having in all these areas, including rural economic development.

The work of the Agriculture and Forestry Economic Development Task Force is promising with a focus on agribusiness recruitment and developing our wood products sector. This past year, we have seen major investments and expansions in poultry and grains. And, there's major progress in developing a deep water port at Cates Landing in Northwest Tennessee that will help move Tennessee commodities to markets around the globe.

Through the Tennessee Agricultural Enhancement Program, we've helped thousands of farmers make strategic investments to increase farm profitability and improve operations. This program remains a priority and we will continue to look for opportunities to improve it in the future.

I look forward to working with our farmers, forest landowners and agribusinesses to build upon this foundation and to make Tennessee the best possible place to live, work and do business.

Sincerely,

A handwritten signature in black ink that reads "Bill Haslam". The signature is fluid and cursive, with the first name being particularly prominent.

Bill Haslam

Commissioner Julius Johnson



Despite another challenging growing season and increasing costs of production, Tennessee farm cash receipts have reached an all time high of \$3.5 billion, an increase of more than \$1.3 billion over the past decade.

Tennessee's agriculture and forestry industries have a profound impact on the state's economy with \$71 billion in total economic activity and more than 363,000 in employment. More than 90 percent of Tennessee farm families have off-farm income. Jobs and markets are important to our rural communities and we're working to encourage growth in our farm and forest sectors.

Through producer meetings held this year, we heard about the challenges and opportunities facing agriculture and forestry. From international trade to new technology and maintaining our transportation infrastructure, we will continue to work to help find solutions and to develop possibilities for the future.

I've also spent time with our employees to hear their counsel for how to improve our programs and increase efficiency. I'm proud of the service they provide and want to thank them for their dedication. I especially want to acknowledge our Forestry firefighters, who over the past season have risked their lives to protect people and property.

From food safety, animal health and pesticides to marketing, forest health and water quality improvement, we are rising to the challenge and placing the highest priority on service and excellence.

Sincerely,

A handwritten signature in black ink that reads "Julius Johnson". The signature is cursive and elegant, with the first name being particularly prominent.

Julius Johnson

Tennessee Agricultural Enhancement Program

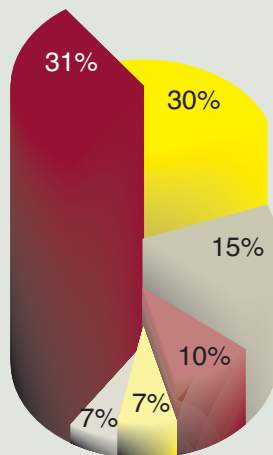
Strengthening Rural Economies

Every dollar TAEP invests generates \$3.89 for rural economies

FY 2006 – 2012

Livestock Equipment –	12,308 projects	\$24.3 million	31%
Hay Storage –	4,903 projects	\$23.6 million	30%
Livestock Feed Storage –	1,251 projects	\$11.7 million	15%
Cattle Genetics –	8,211 projects	\$7.5 million	10%
Producer Diversification –	1,159 projects	\$5.3 million	7%
Grain Storage –	513 projects	\$5.2 million	7%
Total –	28,345 projects	\$77.6 million	

Percent of Dollars



Water Resources –

TAEP awarded grants to 41 Soil Conservation Districts to provide technical assistance on farm conservation practices and to support educational programs aimed at reducing soil erosion and improving water quality in Tennessee.

Forestry –

TAEP helped 60 landowners reforest or improve more than 3,400 acres of forestland.

In addition, 12 timber harvesting companies were assisted in purchasing stream and wet area temporary crossing structures.

TAEP provided funding to 22 urban communities for their tree planting projects on public lands.

Regulatory –

TAEP funds regional animal diagnostic services in East and West Tennessee.

In FY 2012, 87 milk merchandising machines were placed in 60 schools and 977 milk cooler bags issued to 14 school systems.

\$346,000 in funding for traceability/age and source verification programs to help market more than 42,000 head of TN cattle.

Tennessee Department of Agriculture

Ellington Agricultural Center
P.O. Box 40627
Nashville, TN 37204
615-837-5103
Fax 615-837-5333

TN.gov/Agriculture
BurnSafeTn.org
nass.usda.gov/tn
PickTnProducts.org
TnAgMuseum.org

Administration

Julius Johnson, Commissioner 615-837-5100
Fax 615-837-5333
Jai Templeton, Dep. Commissioner. 615-837-5103
Carol McDonald, Asst. Commissioner for
Policy & Legislation 615-837-5172
Larry Maxwell, Asst. Commissioner for
Administration & Grants 615-837-5111

Agricultural Crime Unit 615-837-5181
Boll Weevil Eradication 615-837-5136
Commodity Distribution 615-837-5162
Water Resources 615-837-5305

USDA, NASS, Tennessee Field Office
Debra Kenerson, State Director . . . 615-781-5300
Fax 615-781-5303

Forestry

Jere Jeter, State Forester & Asst.
Commissioner 615-837-5411
Fax 615-837-5003
Asst. State Forester for Operations . . 615-837-5435
David Arnold, Asst. State Forester
for Grants, Programs & Support . 615-837-5426

District Offices
East Tennessee, Knoxville 865-594-6432
Cumberland, Cookeville 931-526-9502
Highland Rim, Burns 615-797-3117
West Tennessee, Lexington 731-968-6676

Market Development

Joe Gaines, Asst. Commissioner . . 615-837-5160
Fax 615-837-5194
Dan Strasser, Director of Marketing . 615-837-5298
Ed Harlan, Director of
Agribusiness Development 615-837-5299

Tennessee Agricultural
Enhancement Program 800-342-8206

Tennessee Agricultural Museum . . . 615-837-5197

USDA Market News 800-342-8206
Louis Langell, Officer in Charge . . 615-837-5164

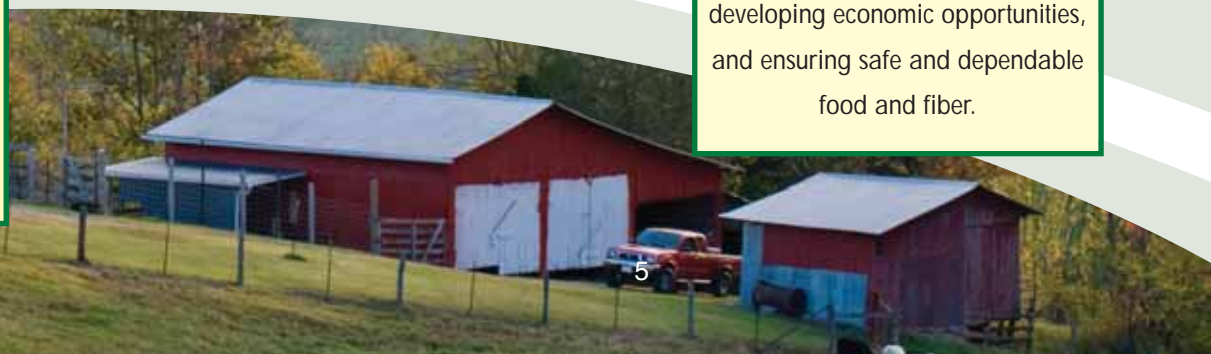
Regulatory Services

Jimmy Hopper, Asst. Commissioner . . 615-837-5150
Fax 615-837-5335
John Moore, Administrative Manager 615-837-5341
Randy Jennings, Operations Manager 615-837-5327

Pesticide/Plant Certification Field Offices
McMinnville 931-815-9726
Knoxville 865-594-6098

Our Mission:

To serve the citizens of Tennessee by promoting wise uses of our agricultural and forest resources, developing economic opportunities, and ensuring safe and dependable food and fiber.



Administration

Administration provides budgetary, legal, human resources and communications support to achieve agency goals and objectives in an efficient and cost effective manner. Staff work with legislators and industry to ensure programs have adequate statutory authority, staffing and clerical support.

Agricultural Crime Unit – The ACU provides law enforcement support for the department's regulatory and forestry programs related to animal and plant health, food safety, pesticide use and wildland arson investigation. The Unit frequently assists local law enforcement agencies in the investigation and prosecution of crimes related to livestock theft and illegal drug manufacturing.

Boll Weevil Eradication Program – 2012 marked the fourth consecutive year that no boll weevils were detected in Tennessee cotton fields. The boll weevil eradication program continues to represent a major accomplishment which has resulted in a 20 to 30 percent increase in cotton yields and a 40 to 90 percent decrease in cotton insecticide usage. The program is debt free and is fully funded by cotton growers.

The program is now in a monitoring phase following the successful completion of the active phase in 2008. The \$1 per acre assessment rate funds a low density trapping program designed to detect any movement of boll weevils back into the state by natural or artificial means.

Commodity Distribution – Tennessee Department of Agriculture administers USDA's food distribution

program for the National School Lunch Program. This program supports American agriculture while providing nutritious food to schoolchildren. TDA also administers the Emergency Food Assistance Program, which supplements the diets of low-income people. In FY 2012, 26.4 million pounds of food valued at

\$33.6 million were ordered and allocated for schools, childcare institutions and non-profit charities.

Water Resources - The state Agricultural Resources Conservation Fund helps landowners install conservation Practices to improve water quality. In FY 2012, Approximately 2,200 practices were implemented through Soil

Conservation Districts, local Resource Conservation and Development Districts and universities.

The goal of the federally-funded 319 Nonpoint Source Program is to remove rivers and streams from the state's list of impaired waters. The program funds projects that address nonpoint-source pollution from urban areas, abandoned mine lands, farms and forests. In FY 2012, the program provided funding for 248 nonpoint source abatement practices through 57 active grant projects.

TDA reviews nutrient management plans associated with the federal permitting program for Concentrated Animal Feeding Operations (CAFOs), administered by the Tennessee Department of Environment and Conservation. More than 400 farms have applied since the program's inception in 1999.



A student at Giles County's Richland Elementary enjoys a balanced meal.

Ensuring School Lunch is Tasty AND Nutritious:

USDA, TDA and Local Schools Rise to the Challenge

Nutritious food is essential for a growing mind and body. It is the fuel kids need everyday to be engaged and productive learners.

If you are a parent, you know that getting children to choose to eat their broccoli instead of a candy bar is about as easy as getting them to choose to clean their room instead of playing video games.

Parents want to feel assured that their children are not only getting healthy food at home, but when they're at school as well.

USDA Foods Program is rising to the challenge of helping make that happen. This program provides schools with nutritious 100-percent American grown food choices such as meat, fish, poultry, dairy and more fruits, vegetables and whole grains than ever before. These healthy foods are lower in sugar, salt and fat, but they also taste good so kids will actually eat them.

Tennessee schools participating in the National School Lunch program are eligible to receive USDA purchased foods, also known as commodities. TDA's role as a state distributing agency is to assist schools in maximizing their use of the USDA foods that are available. These foods make up approximately 15 to 20 percent of the food

served in each school lunch. In school year 2011-2012, Tennessee schools received commodities valued at \$24.7 million. Of that amount, \$4.9 million was set aside by the schools to order fresh produce through the Department of Defense (DoD), the federal agency that has the lead in purchasing those foods.

Here's how the program works. USDA provides each state entitlement funds based on the number of lunches served the previous school year times the



A cafeteria worker at Richland Elementary prepares fresh strawberries.

Ensuring School Lunch is Tasty AND Nutritious

Rising to the Challenge



Richland Elementary students enjoy lunches prepared with more fresh produce.

USDA rate of assistance. TDA informs schools how much funding they can use to order commodities for the year. Schools may order any of the foods USDA has available or choose to set aside part of their funds for the fresh fruits and vegetables they can order through DoD. Schools may also choose to have some USDA foods processed into other menu items. Working to gather everyone's requests and place the state's orders with USDA is a labor intensive process that lasts from January to May each year.

"Our schools do a wonderful job of making the most of the USDA foods program," said Terry Minton, TDA Commodity Administrator who oversees the program. "Each of them determines the best combination of USDA foods or DoD produce to address the needs and tastes of their students while meeting USDA's meal standards. Put simply, TDA's mission is to provide ongoing information and assistance and get those foods to our schools. "

One Tennessee school system that makes the most out of using this program to stretch their food dollars as they put healthy food on students' trays is Giles County Public Schools.

Ann Chaffin, registered dietitian and school nutrition supervisor for the school

district, is in charge of determining what will be served in Giles County schools and places the order for USDA foods through TDA.

"We could not operate without USDA money," said Chaffin. "We couldn't have the fresh fruits and vegetables we have without it."

Chaffin knows the importance of children eating their fruits and vegetables. She spends more than 50 percent of the USDA funds allocated for her schools on fresh produce.

Last year, \$127,000 was available for her schools to spend on USDA foods. Of that amount, Chaffin spent approximately \$67,000 on fresh produce from the DoD and approximately \$60,000 on "main meal" foods such as processed meat from USDA.

"Fruits and vegetables have essential nutrients that children need for growth," said Chaffin. "Unfortunately, statistics show that most children get less than 30 percent of the recommended fruits and vegetables they need each week. I hope by providing fresh produce for the students each day, we will play a role in turning those numbers around."



A Richland Elementary student samples a fresh salad.

A lunchtime visit to one of Chaffin's schools, Richland Elementary in Lynnville, back in August, showed how the children are embracing the idea that "green is good." Several students chose an entrée salad for lunch. In fact, Chaffin says the number of entrée salads that children take and consume doubled last year over the year before.

"We are surprised how many salads kids will get as a main meal," Chaffin said. "We started offering more, and in turn, more are taking them. The more they get, the more they want."

"Ann and the school nutrition staff at Giles County schools represent the professionals all across our state who feed our children every day," said Minton. "It's such important work and TDA's proud to be a partner in this effort."

Continuous communication is the key to the successful relationship between TDA and the recipients of USDA food. TDA acts as a liaison between schools and USDA, DoD, and processing companies. Throughout the year, TDA provides ongoing guidance, policy updates and interpretation, and notice of additional foods and/or funds offered by USDA, usually with a short turnaround for gathering requests and placing orders. Usage of DoD funds for produce is carefully monitored and funds are transferred between participants to ensure all funds are fully utilized by the end of the school year.

"If someone has a question or needs a piece of information, they know they can send a quick email and we'll find an answer as quickly as possible," said Minton.

So parents can rest assured that while they work to provide the best nutrition for their kids at home, USDA, TDA, and our schools are rising to the challenge of making that happen as well.

Reflections from Commissioner Johnson

"I was very impressed with what I saw during my visit to Richland Elementary School. First of all, the cafeteria staff provided a well balanced, nutritious meal with a lot of color and salads and things that you would want and expect to see in a school lunch system.



Commissioner Johnson shares a meal with Richland Elementary students.

I was also excited to see the students' excellent attitudes about the lunch. In some cases, eating nutritious food might be a change of habit for the children. They were eating salads, they were eating vegetables, they were eating all the right kinds of foods that you would want to see them eat.

I think school lunch has changed over time from my day and I think the nutrition part has been emphasized and pushed. The students seem to be responding well and they are consuming the kinds of foods that certainly if we keep on this road, we'll make a change in the lifestyles of our children.

Agriculture is more than what's produced on the farm, it's also about providing safe, wholesome, nutritious food for our kids. TDA knows the importance of our role, along with USDA, in the school lunch program.

We're the facilitator of providing these commodities to the school lunch programs in Tennessee. At the same time, we tie Tennessee farmers to this program in a way that we promote good agricultural production, we promote products of the farm, and we promote good nutrition at the same time."

Market Development

Market Development works with Tennessee producers and agribusinesses to help increase farm income through various growth and development activities.

TDA markets local products abroad, building bridges of opportunity for Tennessee producers/processors and world markets. In trade missions, targeted buyers are brought to Tennessee where they can see Tennessee products and forge business relationships with producers. Grants from the *Ag Tag* Agricultural Development Fund continue to be a major source of support for agriculture and forestry-related organizations and industry-initiated marketing programs.

Market Development focuses on expanding markets for organics, biofuels, processed foods, aquaculture, equine, viticulture, horticulture, livestock, hay, fruits and vegetables and direct farm marketing, popularly referred to as agritourism.



Workers at Cheatham County's Country Pride Farms set out tomato plants.

Agricultural fairs are another way Tennessee producers are reaching audiences. Fairs attract 3 million visitors each year in Tennessee and have a significant impact on local and regional economies totaling \$12.6 million in gross receipts. TDA helps fund agricultural fairs, livestock shows, agricultural youth organizations and other programs promoting agriculture or providing agricultural education.

Grading and market news services help farmers strategically price, package and market their products. The toll-free Market News Hotline received more than 130,000 calls last year. Fruit and vegetable grading is provided through a joint program with USDA.

The Tennessee Agricultural Museum provides school children and adults with an appreciation for agriculture's important past and current contributions to the state's economy and culture. The museum hosts more than 20,000 visitors annually for tours and educational activities. Hands on programs and special events are conducted on the grounds throughout the school year and *Summer Saturdays* make the museum available to everyone.



Country Pride's Dennis Binkley surveys drought damage to his crop.

The Perfect Storm:

Agency cooperation helps new farmer meet challenging year

Country Pride Farm in Cheatham County picked a heck of a year to get started in the produce business.

Owned and operated by Dennis Binkley and Melissa Underwood, the original plan was to grow seven acres of produce in the first year, increasing each year to an ultimate 20-acre business. Plan A was transformed into a trial by fire — or rather, trial by excessive heat and drought — which forced the family to learn a decade's worth of farming realities in a single growing season.

Before their first year was through, Country Pride Farm dealt with an early overabundance of produce throughout the Eastern Seaboard which brought prices down so far that it didn't pay for the farm to hire enough help to pick it. That overabundance in late May and early June was followed by daytime temperatures of 110 degrees in the middle of a month long drought in that area. Irrigation kept plants alive to rebound after temperatures dropped, but the heat levels made working in the fields dangerous.

Added to that was the usual onslaught of expenses to purchase the necessary equipment and inputs to produce a crop.

Fortunately Binkley and Underwood had worked closely with state and area agencies before the first tractor rolled. With the help of Ronnie Barron, University of Tennessee Extension agent for Cheatham County and Chris Robbins, Tennessee State University Farm Operations Extension Associate, Country Pride Farm found the resources they needed to expand close to home. Additionally, the farm's plants got their start in a greenhouse literally just a couple of miles down the road from Country Pride, and before the first squash blossom set, a local retail produce vendor agreed to sell their products.

Most essential, Country Pride Farm had complete drip irrigation and plasticulture.

Previously, lifetime farmer Dennis Binkley had grown produce on a much smaller scale



Dennis Binkley is optimistic during spring planting season.



Dennis Binkley of Country Pride Farm.

with the help of the Hardy family. Hardy's Produce has been a fixture at the Nashville Farmers Market for decades, with several generations of the family working together on area farms and bringing the produce into Nashville. Binkley had been a Hardy family grower for years, but had only produced an acre or two of vegetables until 2012.

In fact, all the farm businesses involved with Country Pride Farm are active participants in Pick Tennessee Products, the statewide campaign developed by the Tennessee Department of Agriculture to help consumers find Tennessee farms, farm products and foods processed in Tennessee. Nearly 1,800 farmers and 8,000 products, services and events are currently listed at www.picktnproducts.org as a completely free service to the state's farmers and food manufacturers.

In May, Country Pride Farm celebrated "Plant Drop Day," the day their locally grown vegetable plants were delivered to the farm for setting later in the week. On hand to enjoy the event were local business partners, including their rural electric cooperative, CEMC, and experts from government agencies who came together to help bring fresh, local produce to customers from Pleasant View to Nashville. The enterprise caught the attention of WCTE-Upper Cumberland Public Television as an ideal example of good businesses and good government

working well together for the benefit of entire communities. The PBS member television station documented the farm's start as part of "Live Green Tennessee," a weekly statewide series.

This year Binkley also applied for Tennessee Agricultural Enhancement Program cost share funds for the first time. TAEP provides cost share funds for long term investments in livestock and other farming operations. More than 28,000 farm projects have been funded since the program's inception in 2005.

After a summer like the summer of 2012, will Country Pride Farm see a summer of 2013? Yes, says Darryl Underwood. "We will keep on keeping on in some way or another."

"I feel like we learned a lot, even though we may not have made any money this first year," says Underwood. "We met people, made contacts, and got our produce in the door, even if we didn't get the price we wanted. I think we'll narrow the number of things we grow, and not expect to grow the business so fast. We learned how expensive everything is and that we may not need the newest thing, or every thing. It's possible that the equipment we thought we needed when we applied for the TAEP cost share at the beginning of summer needs to be adjusted to what we knew we needed by the end of summer, especially if we have more summers like this one.

"We want this for our children. I think our two boys could do this, and I still think, even after all this, that we can make this work. I know we benefitted from all the advice and help up front from Ronnie and Chris, and from the attention and contacts we got through Pick Tennessee Products. Where would we have been without irrigation? And the TAEP funds can help us keep our costs down for next year.

We're thankful for all the help."

Ag and Forestry Task Force Identifies Key Priorities

In September 2011, Agriculture Commissioner Julius Johnson established the Agriculture and Forestry Economic Development Task Force to focus on rural economic growth. Initially a Tennessee Department of Agriculture project, the effort soon evolved into a partnership with other agencies including the Tennessee departments of Economic and Community Development and Tourist Development, the UT Center for Profitable Agriculture and others. Goals for departmental and interagency groups are to help set priorities and implement strategies as part of Gov. Haslam's Jobs4TN economic development plan.



Agribusiness investment and expansion like Cargill's Hales Point facility in Lauderdale County is a priority.

"The Ag and Forestry Task Force is really about taking advantage of our strengths and building partnerships to develop economic opportunities for farmers, agribusinesses and rural communities," said TDA assistant commissioner Joe Gaines. "Our initial focus has been on assessing resources and improving coordination among agencies, but I believe the task force is now poised to help make a significant difference for rural communities looking to expand income and employment opportunities in the farm and forest sectors."

Following a series of roundtable discussions, input meetings and planning sessions, the task force has identified the following priorities:

Tennessee Agricultural Enhancement Program – Continue to make strategic, long term investments to increase farm/forest profitability and to make infrastructure improvements; increase participation and user friendliness.

Agribusiness Recruiting – Target and recruit agricultural and forest businesses to locate or expand in Tennessee through industry analysis and joint TDA/ECD recruiting teams.

Entrepreneurship/Small Business Development – Work with ECD and Tourist Development to increase small business development in rural areas through the Pick Tennessee Products program and other resources.

Regulatory Support – Offer timely and accurate information to facilitate industry development and streamline processes to achieve compliance; coordinate regulatory and development activities.

Prioritize Tennessee Wood Products to Meet Green Certification – Pursue green building objectives that incorporate Tennessee wood products where possible; endorse local wood sources as preferred.

Tennessee Wood Products Brand Development - Promote Tennessee sourced, sustainable wood products through the development of brand identification.

Tax Exemption Standardization for Timber Harvesters – Recognize timber harvesting as an established agricultural practice to encourage uniformity and equity in the application of personal property taxes.

UT/Genera Energy Biofuels Initiative – Maintain communication and coordination with the University of Tennessee and Genera Energy to support biofuels industry development.

Forestry

The Division of Forestry promotes the wise use of forest resources by helping landowners, fighting wildfires, providing quality seedlings, monitoring insects and diseases, improving urban forests, managing state forests, protecting water quality and collecting forest inventory data. To prevent wildfires, the division trains volunteer fire departments, issues burning permits, enforces fire laws and teaches the public fire safety.

The division grows millions of hardwood and pine seedlings for timber production, wildlife habitat and erosion control, while developing genetically superior stock able to increase yields by up to 30 percent.

The Division of Forestry continues to protect Tennessee's forests by monitoring insect pests, provides information to the public and takes action to control or slow the spread of certain forest pests. Certified inventory foresters take detailed measurements of tree growth, quality, health and use for an annual update on the condition of Tennessee's forests. The division monitors the demand for roundwood and the total volume of timber harvested on private lands. The division also administers federal grants and provides technical assistance for urban forestry and manages state forests for multiple benefits including recreation, wildlife, unique features, timber and water quality.

The division works with the Tennessee Department of Environment and Conservation to monitor compliance with state water quality regulations and trains loggers in the use of Best Management Practices.



A scarlet oak at Chuck Swann State Forest.



Sweden Cove at Franklin State Forest.

Plan 2020:

Rising to the Challenge for Sustainable State Forests

From the Mississippi floodplain, across the Highland Rim, climbing the Cumberland Plateau and over to the Appalachian Mountains, Tennessee State Forests span across the major geographic regions of the state. There are 15 State Forests in all that account for more than 166,000 acres combined. Each is managed by TDA's Division of Forestry for game wildlife, and limited-service recreational opportunities like hunting, hiking and bird watching.

"Many State Forest lands were in bad shape when they were originally acquired by the state" said David Todd, State Forest Unit Leader for the Division. "Some were heavily eroded and contained few, if any, trees. Others were timbered in a non-sustainable manner and lacked any plan for future management. Those forests were planted with trees to control erosion, while others were allowed to regenerate naturally into hardwood forests. Since then, each of the State Forests have been carefully protected and managed to promote a sustainable resource for generations to come in terms of timber supply, wildlife and recreation."



A view of the Tennessee River at Prentice Cooper State Forest.

The Division of Forestry began intensively managing State Forests in the early 1970s with the goals of regenerating hardwood stands (oak, hickory, maple, etc.) every 80 years and pine stands (predominantly loblolly pine) every 60 years. While the plan was scientifically sound, complete implementation did not occur and resulted in forest stands that are now skewed to mature or over-mature age classes on average. That simply means that on individual forests, too many stands already exceed 80 and 60 years of age for hardwoods and pine respectively and too few stands are in younger age classes. It is important to have a diverse mix of age classes on any given forest to ensure the health, productivity and sustainability of that forest.

After more than a year in planning, the Division has developed and adopted a new forest regeneration plan that is designed to over time create healthier individual forests as well as a healthier system of forests. The plan is aptly known as Plan 2020: Harvest



Once gullied landscape now transformed into mature hardwood stands at Natchez Trace State Forest.

Plan for Sustainable Forests. The foundation of this new plan is the same as the plan developed in the 1970s, which was to regenerate hardwoods at 20 years and pine at 60 years. Another guiding principle incorporated into this new plan deals with the impact on volume of annual growth. Trees, like most living things, grow. The Division is able to determine how much the forests grow, or volume added, each year through continuous inventories. In recent years, the Division harvested about 50 percent of the forest's annual growth systemwide. When this new plan is implemented more timber will be harvested with a cap on removals at 70 percent of annual growth.

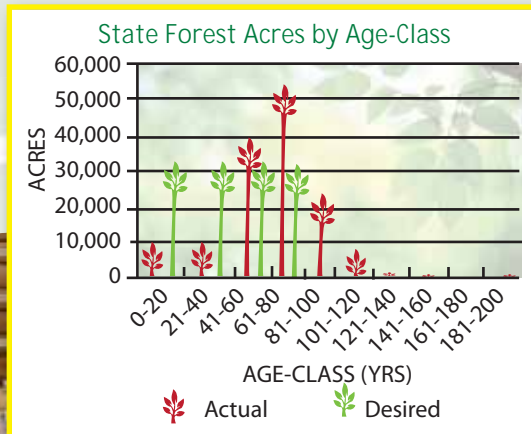
"This means that less volume will be cut than grows every year, but the harvest rate will result in more age class diversification by creating younger stands," says Todd. "This is a very important component in ensuring that generations of Tennesseans to come will enjoy the many benefits afforded them by healthy, productive publicly-owned forests."

Another change taking place on State Forests integral to the new harvest plan involves third-party certification. The Division submitted a request to the American Tree Farm System (ATFS) to certify State Forests in hopes that official certification will be in place by the summer of 2013. It has become apparent over the past several years that the most

desired certification by private landowners in Tennessee is the Tree Farm system. One reason state forests exist is to provide demonstrations of sound forest management for private landowners. Therefore, there seems to be a natural relationship between private owners and the state forest system. The standards set by ATFS are rigid and will ensure that State Forest management practices are environmentally sound and sustainable for years to come.

"We're looking forward to this new partnership with ATFS," says Todd. "We want the State Forests to be viewed as demonstrations, so landowners can see the benefits that active, sustainable management can have on their land. Certification is becoming more commonplace in the private sector as a mode of demonstrating sustainable management, so incorporating this into the State Forest system was a good fit."

Find a copy of the Plan 2020: Harvest Plan for Sustainable State Forests at www.tn.gov/agriculture/forestry/sf2020plan.shtml.



Regulatory Services



TDA inspector Phil Hurst checks labels on retail pet food products.

TDA's Regulatory Services Division monitors a diverse range of materials, products and services to assure quality, consumer protection, public safety and a fair marketplace.

The division works to control animal diseases. Accomplishments include the complete eradication of bovine brucellosis and tuberculosis, swine brucellosis and pseudorabies and a reduction in the incidence of equine infectious anemia.

Nursery, greenhouse and plant dealer certification ensures healthy, pest-free plant material in interstate and international trade. Regulatory Services registers pesticides, certifies applicators, monitors groundwater quality and inspects pest control businesses.

Ensuring a safe food supply, the division inspects dairy farms, plants, milk transport trucks, dairy and trade product distributors and milk samplers and registers dairy products. The division also licenses and inspects retail food stores, food manufacturers, warehouses and distributors. Other responsibilities include enforcing bottled water

regulations, performing custom slaughterhouse inspections, hazardous substance inspections and labeling and enforcing state laws prohibiting the sale of tobacco products to minors.

The Weights and Measures section works to ensure citizens get what they pay for by testing devices such as fuel pumps, scales and liquid propane gas meters for accuracy. Inspections are also made for net quantity on packaged products and for the accuracy of price verification systems. The state metrologist ensures the accuracy of mass and volume standards. Truth in labeling is also verified for fuel quality standards.

TDA's laboratory supports many programs through animal diagnostics, food microbiology, toxicology, food residue, environmental monitoring and quality assurance for agricultural inputs such as feed, seed and fertilizer.

The division ensures the quality and safety of feeds, seeds and fertilizers.

Regulatory Services FY 2012 Activities

Fuel Pump Accuracy Inspections -	92,014
Fuel Quality Samples -	7,528
Fuel Quality Violation Rate -	3.87%
Retail Food Store Inspections -	9,436
Retail Food Store Scores <70 -	155
Scales Tested -	14,440
Meters -	1,819
Pesticide Complaint Investigations -	153
Plant Health Inspections -	2,542
Plant Health Inspections for Export -	886
Animal Health Certificates for Import/Export (Jan. - June 2012)	
Cattle -	>125,000
Poultry -	>6 Billion
Other Livestock -	>27,000

For Regulatory Services questions, comments or complaints call toll-free 1-800-OCTANE1 (628-2631)

Getting Labeled:

A Good Thing for Tennessee Consumers of Feed, Seed and Fertilizer

TDA's Ag Inputs section, which includes feed, seed and fertilizer, helps ensure quality products in a rapidly changing market for both consumers and farmers. Administrator Dan Danielson says the section is a great example of how the department touches the lives of citizens in ways they may not realize.

"It's all sort of truth in labeling," said Danielson, who has been with TDA for more than 15 years. "To sum it up, we go out and see that products are labeled and test them to make sure that labels are accurate. We also take a look at certain adulterants or contaminants to make sure that feed and fertilizers are safe."

The work of the Ag Inputs section is supported through laboratory analysis. The section has 23 inspectors and three supervisors, who are cross-trained for pesticide work in addition to inspecting, sampling and acting on enforcement. The total budget for the program in FY 2012 was \$1.2



TDA administrator Dan Danielson meets with Tennessee Farmers Cooperative's Les Gray at the CO-OP feed mill in LaVergne.

million, 75 percent of which was offset through fees, penalties and other revenues.

If you buy seed you have some assurance that it's going to germinate and that it's the right variety. Danielson says this is especially important to farmers who may invest thousands of dollars only to have a crop fail or turn out to be unmarketable.

The section also checks seeds for weeds. While there are allowable levels of restricted noxious weeds in seed products, there is zero tolerance for prohibited seeds, which could cause significant economic or ecological damage to the state. Products containing prohibited noxious weeds are immediately removed from market.

The department traditionally has worked to protect farmers and focused primarily on commercial usage of feed, seed and fertilizers, but Danielson says that the department has to work the non-commercial side as well.

"Pet food is a prime illustration," said Danielson. "Years ago we didn't do a whole lot of work with pet food, and now it's a major part of our efforts."



TDA inspector Phil Hurst takes a sample of cattle feed.

Danielson says the section's work is being driven by changing consumer demand in part because of quality and safety concerns of imported products and pet owners' taste for more local, natural and organic products. "We're definitely seeing a trend toward more home-based pet treats."

TDA requires a pet treat business owner to obtain a commercial feed license, but these products mostly represent a low risk and usually involve food-grade products. The section not only checks the nutritional and ingredient statements of feeds, but also for adulterants or contaminants, such as salmonella, that could adversely impact the health of animals and people who handle feeds.

Danielson says that one of the biggest changes for the feed industry was the introduction of Bovine Spongiform Encephalopathy (BSE) safeguards in the wake of the Mad Cow scare in the late 1990s. TDA started BSE inspections in 1997, before the U.S. Food and Drug Administration, to ensure that ruminant byproducts, a source of possibly infected material, did not make their way into feeds.

Each year, TDA conducts about 75 BSE and good manufacturing practices inspections of feed mills that use medications, using inspectors who are FDA trained and credentialed.

"We've probably conducted 1,000 (BSE) inspections and have had no significant violations. So the level of compliance has been very good," said Danielson. "As time has gone by, it's been a fairly easy thing to enforce because you have absolute buy-in from the industry."

The overall violation rate for feed statewide is about 14 percent, a little higher than it used to be. But, Danielson says, the department is scrutinizing feeds much more closely. "Today, we're checking protein, fat, fiber and medications, so our violation



Maintaining a positive working relationship with industry is a priority for TDA inspectors.

rate has bumped up a bit, but so has the volume and spectrum of what we're checking."

When the section checks fertilizer quality, they're not only looking for the proper ratio of nitrogen, phosphorous and potassium, but they're also



Feed samples are taken for laboratory analysis to ensure proper labeling, quality and safety.

looking at levels of heavy metals. Danielson says checking for heavy metals helps ensure that excessive levels are not introduced into the environment.

He says the primary concern for fertilizer has been economic deficiencies where one of the three primary compounds may not be as labeled. In those cases, fines are issued based on the difference in values and awarded back to the customer when possible.

While the work performed by the Ag Inputs section has changed over the years, it's still important because it ensures not only fairness for both businesses and consumers, but also a degree of safety and quality.

"Who doesn't have a garden or lawn that they may not potentially buy seed? Who doesn't have a dog, a cat or a fish where they don't potentially buy pet food?" said Danielson. "And, there are a lot of homeowner products out there for fertilizing your lawn.

"From that perspective, you'd be hard pressed to find someone not touched by the Ag Inputs section in some form or fashion."

Laboratory Analysis Report FY 2012

Feed:	Samples-----968
	Violations-----136
	Rate -----14.05%
Seed:	Samples-----754
	Violations-----32
	Rate -----4.33%
Fertilizer:	Samples-----860
	Violations-----73
	Rate -----8.49%
Lime:	Samples-----90
	Violations-----25
	Rate -----27.78
Total:	Samples-----2,672
	Violations-----266
	Rate -----10.01%



TDA inspector Phil Hurst checks labels of seed products sold at retail.

USDA

National Agricultural Statistics Service

TDA maintains a cooperative relationship with USDA's National Agricultural Statistics Service (NASS), Tennessee Field Office to provide timely, unbiased statistics including Tennessee crop acreage, yield, and production; crop progress and condition; livestock inventories; and economic information. The Tennessee Field Office also has responsibility for the five-year Census of Agriculture, which provides the most comprehensive agricultural information available.

Information from NASS allows informed decisions to be made in both the public and private sectors and guarantees a "level playing field." All Tennessee Field Office data products are made possible through the willingness of the State's farmers who take part in agricultural surveys about their operations. This information ensures an accurate picture of Tennessee agriculture, and is also vital in the correct distribution of state and federal grant monies. Individual information provided to NASS is kept in the strictest confidence and protected by law from disclosure to any group, other federal agency, or individual.



The number of farms in Tennessee during 2011 decreased by 700 farms to an estimated 77,300. Farmland estimated at 10.8 million acres, was down slightly from 2010. The average farm size of 140 acres increased from 139 acres in 2010. Tennessee ranked 8th in the US for number of farms, following Texas, Missouri, Iowa, Oklahoma, Kentucky, California and Minnesota.

Tennessee Agriculture & Forestry

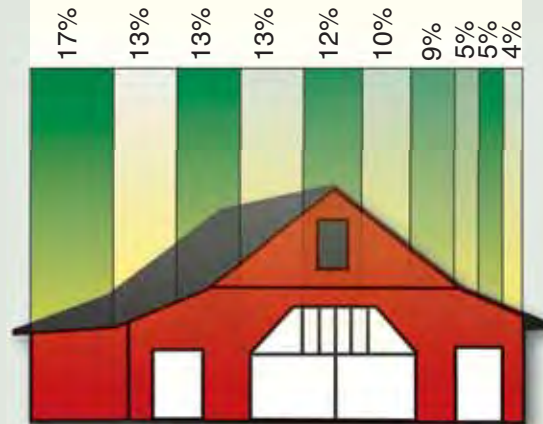
Tennessee's top 10 agricultural commodities, in terms of 2011 cash receipts, are cattle and calves, soybeans, broilers, corn, cotton, greenhouse/nursery, dairy products, wheat, tobacco, and hay. Agricultural production alone, excluding forest products, now generates more than \$3.50 billion annually in farm cash receipts. Forestry related industries, value-added manufacturing, marketing and distribution, equine, and other agricultural related products also add significantly to the state's economy.

Farming continues to dominate Tennessee's landscape with 77,300 farms producing and selling crops, livestock, and/or forest products. Although over 70 percent of Tennessee farms had sales of less than \$10,000 during 2011, the state is still a major producer in the U.S. of a number of commodities. The state ranks number two in meat goat numbers, four in all tobacco production, one of the top five states in production of tomatoes and snap beans, and sixth in all equine. Farmland in Tennessee, at 10.8 million acres, accounts for over 41 percent of the State's total land area. Tennessee had \$288 million in timber sales generated on farm and non-farm acres in 2011. This level of production typically keeps Tennessee within the top five hardwood producing states. International trade has a significant impact on Tennessee agriculture as well, with exports of raw agricultural products totaling \$980 million in 2010.

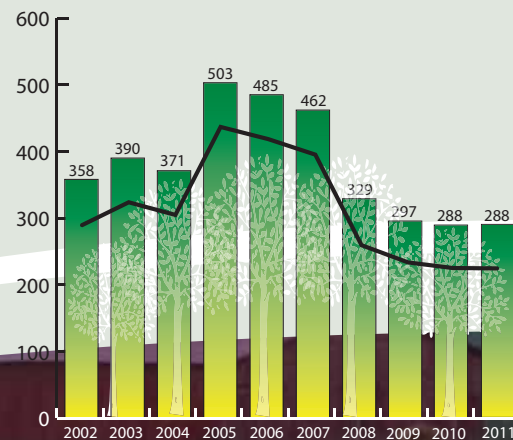
Crop cash receipts totaled \$2.10 billion and were lead by soybeans with \$461 million. Cash receipts for livestock and products totaled \$1.41 billion and were lead by cattle and calves with \$586 million. Tennessee cash receipts for all commodities totaled \$3.50 billion in 2011.

Farm Cash Receipts, 2011

Cattle	17%
Soybeans	13%
Broilers	13%
Corn	13%
Cotton	12%
Other Crops	10%
Greenhouse/Nursery	9%
Dairy	5%
Other Livestock	5%
Wheat	4%



Timber Sales Chart 2002-2011



Tennessee Equine

The 2007 Census of Agriculture showed Tennessee with 142,003 total horses and ponies on farms for a US ranking of 6th. Tennessee ranked 2nd in the Nation for mules and burros on farms, with a total of 18,350 animals.

In 2004, Tennessee conducted an extensive, comprehensive survey of all equine in the state as a joint effort with the Tennessee Department of Agriculture. The 2004 Tennessee Equine Survey showed assets on equine operations totaled \$6.09 billion in 2004, up 24 percent from the previous survey conducted in 1999. The value of Tennessee's 210,000 head of equine (horses, donkeys, and mules) in 2004, was estimated at \$565 million. In addition to equine inventory, these operations had \$4.89 billion of land, fencing, facilities and buildings and \$636 million of equipment and supplies. Results also showed income from equine sales and related agricultural activities during 2003 was \$259 million. Equine sales during 2003 were valued at \$57.5 million with 23,000 equine sold. Equine related expenditures during 2003 totaled \$597 million. Equipment, feed and bedding, capital improvements, boarding, equine purchases and veterinarian and health expenditures accounted for the largest share (67 percent).

Operations averaged \$14,566 of expenditures for the year, or \$2,844 per animal. Equine are found on 41,000 operations (or places), with the vast majority (67 percent) of operations having less than five head. Collectively, these operations were caretakers for 3.2 million acres in Tennessee. The state's top breed was Tennessee Walkers followed by Quarter Horses, with the two combining for more than half of the state's total equine. The average value per animal was \$2,690, with Middle Tennessee equine leading the state with an average value of \$3,097. The Hunter/Jumper category had the highest value per animal, followed by Thoroughbred, Tennessee Walker and American Saddlebred. The top five counties in terms of inventory in 2004, were Rutherford, Wilson, Williamson, Bedford and Marshall.



State Summary

Farms, Land in Farms & Value

Number of Farms: Economic Sales Class, Tennessee, 2007-2011¹

Year	Number of Farms	Economic Sales Class				
		\$1,000-\$9,999	\$10,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000 & Over
Number						
2007	79,500	55,800	19,800	1,650	950	1,300
2008	79,000	55,900	19,100	1,650	950	1,400
2009	78,700	56,100	18,400	1,600	1,100	1,500
2010	78,000	55,400	18,500	1,600	1,050	1,450
2011	77,300	54,600	18,200	1,800	1,200	1,500

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

Land in Farms: Economic Sales Class, Tennessee, 2007-2011¹

Year	Land In Farms	Average Farm Size	Economic Sales Class				
			\$1,000-\$9,999	\$10,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000 & Over
		1,000 Acres	1,000 Acres				
2007	11,000	138	3,650	3,900	900	800	1,750
2008	10,900	138	3,750	3,700	900	800	1,750
2009	10,900	139	3,800	3,600	800	900	1,800
2010	10,850	139	3,800	3,600	800	900	1,750
2011	10,800	140	3,700	3,450	900	950	1,800

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

Agricultural Land Values and Cash Rents: Tennessee, January 1, 2007-2011

Year	Farm Real Estate	Cropland		Pasture	
	Value per Acre	Value per Acre	Cash Rent per Acre	Value Per Acre	Cash Rent per Acre
Dollars					
2007	3,250	3,200	67.00	3,680	20.00
2008	3,450	3,400	68.50	3,880	22.00
2009	3,300	3,270	73.00	3,650	20.00
2010	3,550	3,400	78.00	3,600	19.00
2011	3,650	3,400	79.50	3,600	19.00

Cash Receipts

Leading Commodities for Cash Receipts, Tennessee, 2010-2011^{1,2}

RANK	2010			2011		
	Item	Value of Receipts	% of Total	Item	Value of Receipts	% of Total
		\$1,000			\$1,000	
	All Commodities	3,137,351	100.0	All Commodities	3,500,806	100.0
	Livestock & Products	1,331,692	42.4	Livestock & Products	1,405,167	40.1
	Crops	1,805,659	57.6	Crops	2,095,639	59.9
1	Cattle & Calves	545,033	17.4	Cattle & Calves	586,323	16.7
2	Soybeans	496,815	15.8	Soybeans	461,334	13.2
3	Broilers	475,589	15.2	Broilers	461,154	13.2
4	Cotton/Cottonseed	339,313	10.8	Corn	456,114	13.0
5	Greenhouse/Nursery	297,867	9.5	Cotton/Cottonseed	401,123	11.5
6	Corn	269,599	8.6	Greenhouse/Nursery	297,867	8.5
7	Dairy Products	151,434	4.8	Dairy Products	174,902	5.0
8	Tobacco	97,378	3.1	Wheat	139,578	4.0
9	Hay	81,690	2.6	Tobacco	96,875	2.8
10	Hogs	55,161	1.8	Hay	83,457	2.4
11	Tomatoes	52,762	1.7	Hogs	62,341	1.8
12	Wheat	46,576	1.5	Eggs	59,742	1.7
13	Eggs	43,922	1.4	Tomatoes	37,620	1.1
14	Snap Beans	14,508	0.5	Snap Beans	9,065	0.3
15	Apples	2,369	0.1	Apples	2,208	0.1
16	Sheep & Lambs	2,112	0.1	Farm Chickens	2,058	0.1
17	Aquaculture	1,622	0.1	Aquaculture	1,571	0.0
18	Farm Chickens	1,597	0.1	Squash	1,092	0.0
19	Squash	1,260	0.0	Honey	918	0.0
20	Honey	1,260	0.0	Wool	76	0.0

¹ All data subject to revision the following year.

² Beginning in 2011 Sheep and Lamb Cash Receipts are included in Other Livestock. Source: Economic Research Service, U.S. Department of Agriculture, August 2012.

Financial Indicators

Farm Income and Value Added Data: Tennessee, 2009-2011

Item ¹	2009	2010	2011
		\$,1,000	
Value of Crop Production	1,826,704	1,710,570	2,120,202
+ Value of Livestock Production	1,198,246	1,306,200	1,396,964
+ Revenues from Services and Forestry	913,008	920,976	922,146
= Value of Agricultural Sector Production	3,937,958	3,937,746	4,439,312
- Purchased Inputs	2,211,170	2,204,632	2,386,572
Farm origin	691,287	739,100	783,151
Manufactured inputs	623,465	619,590	692,445
Other purchased inputs	896,418	845,942	910,976
+ Net Government Transactions	103,503	-3,768	-40,487
+ Direct Government payments	261,447	153,309	140,347
- Motor vehicle registration & licensing fees	13,333	11,362	11,937
- Property taxes	144,611	145,715	168,897
= Gross Value Added	1,830,291	1,729,345	2,012,253
- Capital Consumption	773,666	789,593	825,832
= Net Value Added	1,056,625	939,752	1,186,421
- Payments to Stakeholders	433,776	455,381	412,387
Employee Compensation (Total Hired Labor)	212,969	194,213	168,494
Net Rent Rec'd by Non-operator Landlords	-8,819	39,745	23,574
Real Estate and Non-real Estate Interest	229,626	221,423	220,319
= Net Farm Income	622,849	484,371	774,034

¹ Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

Source: Economic Research Service, U.S. Department of Agriculture, August 2012.

Tennessee's Rank in U.S. Agriculture, 2011

Item	Unit	Tennessee		Leading State		United States
		Rank	Production	State	Production	
			1,000		1,000	1,000
General						
Farm Numbers	no.	8	77.3	Texas	245.0	2,181
Land in Farms	acres	27	10,800	Texas	130,000	916,990
Average Size of Farm ¹	acres	44	140	Wyoming	2,745	420
Crops						
Tobacco, Dark Fire-Cured	lbs.	2	19,941	Kentucky	30,940	51,721
Tobacco, Burley	lbs.	2	22,540	Kentucky	128,000	172,265
Tobacco, Dark Air-Cured	lbs.	2	2,882	Kentucky	13,200	16,082
Tobacco, All	lbs.	4	45,363	N. Carolina	251,565	598,320
Tomatoes, Fresh	cwt.	4	1,045	California	12,425	30,406
Snap Beans, Fresh	cwt.	5	259	Florida	2,400	5,367
Hay, Other	tons	4	3,906	Missouri	5,600	65,812
All Cotton	bales	8	813	Texas	3,540	15,573
Cottonseed	tons	9	272	Texas	1,228	5,370
Soybeans	bu.	17	40,000	Iowa	466,115	3,056,032
Corn, Grain	bu.	17	96,285	Iowa	2,356,400	12,358,411
Winter Wheat	bu.	24	21,390	Kansas	276,500	1,999,347
Apples	lbs.	27	8,500	Washington	5,410,000	9,453,000
Corn, Silage	tons	30	646	Wisconsin	15,698	108,926
Hay, Alfalfa	tons	31	70	S. Dakota	6,345	65,332
Livestock						
Meat Goats ³	head	2	121	Texas	850	2,356
Equine ²	head	6	142	Texas	438	4,029
Beef Cows ³	head	9	950	Texas	4,365	30,865
Broilers	head	14	190,300	Georgia	1,375,200	8,607,600
All Cattle & Calves ³	head	15	1,970	Texas	11,900	90,769
Milk Goats ³	head	13	9	Wisconsin	44	360
All Hogs ⁴	head	25	170	Iowa	20,000	66,361
Honey	lbs.	34	308	N. Dakota	32,660	148,357
Milk Cows ³	head	30	50	California	1,780	9,230
Milk	lbs.	30	810	California	41,462	196,245
Sheep & Lambs ³	head	30	35	Texas	650	5,345
All Chickens ⁴	head	32	2,584	Iowa	66,319	447,251

¹ Average size of farm in actual units. ² 2007 Census of Agriculture. ³ January 1, 2012 Inventory.

⁴ December 1, 2011 Inventory.

Crops

Top Ranking Livestock and Crop Counties, Tennessee, 2011¹

Rank	All Cattle	Beef Cows	Milk Cows	All Tobacco	Corn
1	Greene	Greene	Greene	Robertson	Obion
2	Lincoln	Lincoln	McMinn	Macon	Gibson
3	Bedford	Giles	Monroe	Montgomery	Weakley
4	Giles	Bedford	Marshall	Smith	Henry
5	Maury	Lawrence	Loudon	Hawkins	Robertson
6	Lawrence	Maury	Robertson	Greene	Carroll
7	Wilson	Wilson	White	Stewart	Coffee
8	Washington	Sumner	Washington	Dickson	Dyer
9	White	White	Henry	Trousdale	Franklin
10	Sumner	Hawkins	Polk	Clay	Tipton
11	Hawkins	Washington	Warren	McMinn	Lawrence
12	Jefferson	Warren	Jefferson		Lauderdale
13	Warren	Jefferson	Bradley		Haywood
14	McMinn	Robertson	Blount		Madison
15	Robertson	Williamson	Lawrence		Montgomery

Rank	Cotton	Wheat	Soybeans	All Other Hay
1	Haywood	Gibson	Obion	Greene
2	Crockett	Robertson	Dyer	Maury
3	Gibson	Haywood	Gibson	Bedford
4	Tipton	Weakley	Lauderdale	Washington
5	Fayette	Dyer	Weakley	Giles
6	Madison	Crockett	Tipton	Robertson
7	Lauderdale	Obion	Lake	Sumner
8	Dyer	Henry	Robertson	Lincoln
9	Carroll	Montgomery	Haywood	Rutherford
10	Hardeman	Lincoln	Henry	Lawrence
11	Lake	Fayette	Shelby	White
12	Lincoln	Lake	Coffee	Williamson
13	Chester	Madison	Fayette	Warren
14	Weakley	Lauderdale	Crockett	McMinn
15	Henry	Lawrence	Franklin	Marshall

¹ Some counties may not be ranked to avoid disclosure of individual operations.

Tennessee Summary, 2010-2011

2010 Crop	Unit	Area		Yield Per Acre	Production	
		Planted	Harvested		Total	Value
		1,000 Acres			1,000	\$1,000
Corn for Grain	bu.	710	640	117.0	74,880	354,931
Corn for Silage	tons	---	45	16.0	720	---
Cotton, Lint	lbs. ¹	390	387	845	681	275,560
Cottonseed	tons	---	---	---	235	44,650
Hay, All	tons	---	1,965	2.11	4,146	328,539
Alfalfa	tons	---	15	3.40	51	9,129
All Other	tons	---	1,950	2.10	4,095	319,410
Soybeans	bu.	1,450	1,410	31.0	43,710	485,181
Tobacco, All	lbs.	---	22,300	2,051	45,740	94,140
Dark Fired-Cured	lbs.	---	6,200	2,900	17,980	45,489
Burley	lbs.	---	15,000	1,660	24,900	42,330
Dark Air-Cured	lbs.	---	1,100	2,600	2,860	6,321
Winter Wheat	bu.	260	180	53.0	9,540	49,990
Apples ²	lbs.	---	---	9,380	7,500	2,076
Squash, Total	cwt.	0.7	0.6	70	42	1,260
Snap Beans, Fresh	cwt.	11.0	9.6	42	403	14,508
Tomatoes, Fresh	cwt.	4.9	4.6	310	1,426	52,762

2011 Crop	Unit	Area		Yield Per Acre	Production	
		Planted	Harvested		Total	Value
		1,000 Acres			1,000	\$1,000
Corn for Grain	bu.	790	735	131.0	96,285	625,853
Corn for Silage	tons	---	38	17.0	646	---
Cotton, Lint	lbs. ¹	495	490	796	813	362,143
Cottonseed	tons	---	---	---	272	70,720
Hay, All	tons	---	1,880	2.11	3,976	331,716
Alfalfa	tons	---	20	3.50	70	15,330
All Other	tons	---	1,860	2.10	3,906	316,386
Soybeans	bu.	1,290	1,250	32.0	40,000	480,000
Tobacco, All	lbs.	---	22,000	2,062	45,363	97,859
Dark Fire-Cured	lbs.	---	6,900	2,890	19,941	51,647
Burley	lbs.	---	14,000	1,610	22,540	39,670
Dark Air-Cured	lbs.	---	1,100	2,620	2,882	6,542
Winter Wheat	bu.	420	310	69.0	21,390	146,522
Apples ²	lbs.	---	---	10,600	8,500	2,290
Squash, Total	cwt.	0.7	0.6	65	39	1,092
Snap Beans, Fresh	cwt.	12.5	10.8	24	259	9,065
Tomatoes, Fresh	cwt.	4.3	3.8	275	1,045	37,620

¹ Cotton production is in 480 pound net weight bales. ² Total production.

Nursery, Floriculture & Hay Stocks

Crops: Record Highs and Lows, Tennessee

Item	Estimates Began	Unit	Record High		Record Low	
			Quantity ¹	Year	Quantity ¹	Year
			1,000		1,000	
Corn for Grain	1866					
Harvested		Acres	3,875	1917	480	1983
Yield		Bushels	148	2009	14	1930
Production		Bushels	106,562	1917	23,040	1983
Corn for Silage	1919					
Harvested		Acres	170	1973	12	1934
Yield		Tons	21	2009	3.5	1930
Production		Tons	2,560	1976	72	1932
Cotton	1866					
Harvested		Acres	1,146	1925	215	1983
Yield		Pounds	945	2006	103	1923
Production ²		Bales	1,368	2006	145	1967
All Hay	1909					
Harvested		Acres	2,035	2001	893	1914
Yield		Tons	2.52	2004	0.63	1930
Production		Tons	4,883	2004	699	1911
Alfalfa Hay	1919					
Harvested		Acres	188	1958	15	2010
Yield		Tons	4.20	2003	1.15	1930
Production		Tons	408	1963	19	1925
Soybeans	1924					
Harvested		Acres	2,620	1979	8	1925
Yield		Bushels	45.0	2009	6.5	1935
Production		Bushels	70,740	1979	60	1925
Winter Wheat	1866					
Harvested		Acres	1,620	1900	107	1962
Yield		Bushels	69	2011	3	1885
Production		Bushels	37,400	1981	2,008	1866
All Tobacco	1866					
Harvested		Acres	162	1930	19.8	2006
Yield		Pounds	2,482	2006	300	1874
Production		Pounds	178,117	1982	6,300	1874
Dark Fire-Cured	1919					
Harvested		Acres	103	1919	5.3	2006
Yield		Pounds	3,200	2008	744	1925
Production		Pounds	82,525	1919	13,016	1987
Burley	1919					
Harvested		Acres	89	1952	9.3	1921
Yield		Pounds	2,245	1972	700	1925
Production		Pounds	148,580	1982	7,347	1921
Dark Air-Cured	1919					
Harvested		Acres	22	1919	0.45	2005
Yield		Pounds	2,900	2008	670	1925
Production		Pounds	18,150	1919	870	1989

¹ Yields are in actual units. ² Cotton production shown in 480 lb. net weight bales.

Note: If acreage, yield, or production is identical for more than one year, the most recent year is shown.

Horticulture Production, 2009

Category	Operations ¹	Total Sales ²	Wholesale	Retail
	Number	\$(000)	\$(000)	\$(000)
Nursery Stock	327	153,004	(D)	(D)
Annual Bedding/Garden	146	32,008	25,460	6,549
Sod, Sprigs, or Plugs	45	27,518	25,589	1,929
Potted Herb Perennials	129	22,004	20,189	1,815
Cutting, Plugs, Liners	75	9,534	(D)	(D)
Potted Flowering Plants	71	7,739	6,750	989
Food Crops Under Prot.	27	2,898	2,556	342
Foliage Plants	52	1,137	911	226
Cut Christmas Trees	23	1,097	911	185
Cut Flowers/ Lei Flowers	17	554	507	48
Other Hort. Specialties	52	1,816	(D)	(D)
Total Operations	561 ³	259,309		

¹ Includes only operations with \$10,000+ in sales. ² Sum of the data may not equal the total due to rounding. ³ Total operations in state; not sum of above listed operations. (D) Withheld to avoid disclosing data for individual operations.

Floriculture: Growers, Wholesale Value, and Growing Area, Tennessee, 2001-2005

Crop Year	Total Growers	Expanded Wholesale Value ¹	Total Greenhouse Cover	Shade and Temporary Cover	Total Covered Area	Open Ground
	Number	\$1,000	1,000 Square Feet	1,000 Square Feet	1,000 Square Feet	Acres
2001	203	42,649	6,396	89	6,485	189
2002	237	44,287	6,314	125	6,439	362
2003	221	45,886	7,264	96	7,360	326
2004	186	42,433	7,282	178	7,460	281
2005	174	55,532	7,117	162	7,279	297

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the mid-point of each dollar value range.

Hay: Production, Stocks on Farms, Tennessee, 2006-2010

Crop Year	Production	Stocks			
		December 1	% of Prod.	May 1 ¹	% of Prod.
	1,000 Tons	1,000 Tons		1,000 Tons	
2006	4,251	3,103	73.0	425	10.0
2007	2,685	2,121	79.0	215	8.0
2008	3,945	3,038	77.0	552	14.0
2009	4,236	3,219	76.0	678	16.0
2010	4,146	2,985	72.0	746	18.0

¹ Following year.

Tillage Systems & Biotechnology

Tillage Practices Used: by Crop, Tennessee, 2007-2011

Crop	Year	Total Acres Planted	% of Total ¹			
			No-Till	Other Conservation Tillage ²	Conventional Till ³	Double-Cropped ⁴
Soybeans	2007	1,080,000	79.6	14.8	5.6	28.7
	2008	1,490,000	79.9	14.8	5.4	36.2
	2009	1,570,000	79.6	14.6	5.7	23.6
	2010	1,450,000	64.8	22.8	12.4	13.8
	2011	1,290,000	76.7	15.5	7.8	24.0
Corn	2007	860,000	69.8	19.8	10.5	2.9
	2008	690,000	72.5	18.8	8.7	4.3
	2009	670,000	70.1	20.9	9.0	3.7
	2010	710,000	66.2	25.4	8.5	2.8
	2011	790,000	77.2	15.2	7.6	2.5
Cotton	2007	515,000	64.1	21.4	14.6	0.2
	2008	285,000	66.7	22.8	10.5	0.2
	2009	300,000	66.7	23.3	10.0	0.0
	2010	390,000	71.8	20.5	7.7	0.0
	2011	495,000	74.7	17.2	8.1	0.0
Wheat ⁵	2007	420,000	52.4	26.2	21.4	----
	2008	620,000	53.2	29.0	17.7	----
	2009	430,000	48.8	23.3	27.9	----
	2010	260,000	50.0	23.1	26.9	----
	2011	420,000	50.0	19.0	31.0	----
Total	2007	2,875,000	69.9	19.1	11.0	11.7
	2008	3,085,000	71.6	19.3	9.1	18.5
	2009	2,970,000	71.7	18.2	10.1	13.3
	2010	2,810,000	64.8	23.1	12.1	7.8
	2011	2,995,000	72.8	16.2	11.0	11.0

¹ Sum of no-till, other conservation tillage and conventional till percents of total may not add to 100 percent due to rounding. ² Other Conservation Tillage- Tillage practices prior to planting which result in a minimum of 30 percent ground cover or residue being retained on the surface following planting. Includes ridge till, strip till, and mulch till. ³ Conventional Till - Systems where 100 percent of the surface layer is mixed or inverted by plowing, power tilling, or multiple disking. ⁴ Double-Cropped - Two crops harvested from the same field during one year. ⁵ Wheat seeded the previous fall for all intended purposes including grain, cover, silage, hay, or any other utilization.

Livestock, Dairy & Poultry

Livestock by Class, Tennessee, January 1, 2010-2012

Classes	2010	2011	2012
		1,000 Head	
All Cows that have Calved	1,050	1,040	1,000
Beef Cows	997	990	950
Milk Cows	53	50	50
Heifers 500 Pounds and Over	275	265	280
For Beef Cow Replacement	170	150	150
For Milk Cow Replacement	35	35	30
Other Heifers	70	80	100
Steers 500 Pounds and Over	137	130	160
Bulls 500 Pounds and Over	78	75	70
Calves under 500 Pounds	500	480	460
All Cattle and Calves	2,040	1,990	1,970
All Hogs and Pigs ¹	185	170	170
All Sheep and Lambs	31.5	35.0	35
Meat Goats	125	115	121
Milk Goats	6.4	7.5	9.0
Total Layers ¹	1,506	1,600	1,364
Total Pullets ¹	1,091	1,038	1,055
Other Chickens ^{1,2}	211	192	165
All Chickens ^{1,2}	2,808	2,830	2,584

¹ December 1 previous year. ² Does not include commercial broilers.

Federally Inspected Plants and Head Slaughtered, Tennessee, 2007-2011

Year	Cattle		Hogs		Sheep		Goats	
	Plants	Head	Plants	Head	Plants	Head	Plants	Head
		1,000		1,000		1,000		1,000
2007	13	20.1	17	641.8	11	13.0	11	26.8
2008	13	25.5	17	660.2	11	14.1	10	26.1
2009	13	31.5	17	693.6	11	14.3	9	26.8
2010	14	40.5	18	697.2	11	13.7	11	17.6
2011	13	48.3	16	680.7	10	8.4	8	14.2

Livestock

Inventory, Production, Disposition and Income, Tennessee, 2010-2011

Classes	Unit	2010	2011
Cattle and Calves:			
Inventory Jan. 1	Mil. Head	2.04	1.99
Calf Crop	Mil. Head	0.95	0.92
Inshipments	1,000 Head	23	19
Marketings ¹	Mil. Head	0.93	0.88
Production ²	Mil. Pounds	596.5	586.6
Marketings ³	Mil. Pounds	638.6	599.2
Cash Receipts ⁴	Mil. Dollars	545.0	586.3
Price per 100 lbs.			
Cattle	Dollars	79.4	88.7
Calves	Dollars	108	130
Hogs and Pigs:			
Inventory Dec. 1 (prev. yr.)	1,000 Head	185	170
Pig Crop	1,000 Head	349	353
Inshipments	1,000 Head	72	65
Marketings ¹	1,000 Head	415	390
Production ²	Mil. Pounds	99.1	93.7
Marketings ³	Mil. Pounds	102.1	96
Cash Receipts ⁴	Mil. Dollars	55.2	62.3
Price per 100 lbs.			
All Hogs	Dollars	53.80	64.7
Sheep and Lambs:			
Inventory Jan. 1	1,000 Head	31.5	35.0
Lamb Crop	1,000 Head	27.0	26.0
Inshipments	1,000 Head	3.5	⁵
Marketings ¹	1,000 Head	19.2	⁵
Production ²	Mil. Pounds	2.04	⁵
Marketings ³	Mil. Pounds	1.94	⁵
Cash Receipts ⁴	Mil. Dollars	2.48	⁵
Price per 100 lbs.			
Sheep	Dollars	50.00	⁵
Lambs	Dollars	128.00	⁵

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Adjustments made for changes in inventory and for inshipments. ³ Excludes custom slaughter for use on farms where produced and interfarm sales within the State. ⁴ Receipts from marketings and sale of farm slaughter. ⁵ 2011 estimates discontinued.

Milk, Dairy Products & Honey

Milk Cows, Milk Production and Income, Tennessee, 2007-2011

Year	Milk Cows ¹	Milk Per Cow	Total Milk	Cash Receipts ²	Average Return Per Cwt. ³
	1,000 Hd.	1,000 Lbs.	Mil. Lbs.	Mil. \$	Dollars
2007	63	15.9	999	201.99	20.30
2008	59	16.0	948	190.69	20.20
2009	56	16.2	909	127.61	14.10
2010	52	16.3	850	151.43	17.90
2011	50	16.2	810	174.90	21.70

¹ Average number on farms during year, excluding heifers not yet fresh. ² Cash receipts from marketings of milk and cream, plus value of milk used for home consumption and farm churned butter. ³ Cash receipts divided by milk or milkfat in combined marketings.

Annual Production of Selected Dairy Products: Tennessee, 2007-2011

Year	Cottage Cheese		Yogurt Plain & Flavored	Ice Cream	
	Creamed	Curd ¹		Reg. Hard	Reg. Mix
	1,000 Lbs.	1,000 Lbs.	1,000 Gals.	1,000 Gals.	1,000 Gals.
2007	7,937	8,511	193,536	15,513	8,798
2008	7,058	7,012	258,078	15,961	8,789
2009	7,157	6,933	284,295	13,998	²
2010	7,203	6,831	²	²	²
2011	6,694	²	²	²	²

¹ Mostly used for processing into fully creamed or lowfat cottage cheese. ² Estimates not published when fewer than 3 plants reported or individual plant operations could be disclosed.

Honey: Colonies, Yield, Production, Price, and Value, Tennessee, 2007-2011¹

Year	Colonies of Bees	Honey Production Per Colony	Production	Average Price Per Pound ²	Value of Production
	1,000	Lbs.	1,000 Lbs.	Cents	\$1,000
2007	7	65	455	199	905
2008	7	61	427	209	892
2009	7	51	357	237	846
2010	8	63	504	245	1,235
2011	7	44	308	298	918

¹ Producers with five or more colonies. Colonies which produced honey in more than one State were counted in each State. ² Average price per pound based on expanded sales.

Poultry & Equine

Chickens: Number, Price and Value, Tennessee, December 1, 2007-2011 ¹

Year	Number 1,000 Head	Value per Head Dollars	Total Value \$1,000
2007	2,815	7.40	20,831
2008	2,763	7.60	20,999
2009	2,808	6.60	18,533
2010	2,830	6.90	19,527
2011	2,584	6.80	17,571

¹ Excludes commercial broilers.

Broilers: Number, Production, Price and Value, Tennessee, 2007-2011 ^{1 2}

Year	Number Produced 1,000 Head	Pounds Produced 1,000 Lbs.	Price per Pound ³ Cents	Value of Production \$1,000
2007	205,900	1,050,100	43.0	451,543
2008	199,700	1,018,500	46.0	468,510
2009	189,700	967,500	4	442,148
2010	193,100	986,700	4	475,589
2011	190,300	989,600	4	461,154

¹ December 1, previous year through November 30. ² Broiler production including other domestic meat-type strains. ³ Live weight equivalent prices, derived from ready-to-cook (RTC) prices using the following formula: RTC price minus processing cost X (dressing percentage) = live weight equivalent price. ⁴ State level estimates discontinued.

Equine Inventory, Total Value, Number Sold and Value of Sales, by District ¹

District	January 1, 2004 Inventory			2003 Sales		
	Head	Total Value Mil. Dol.	Average Value Per Head Dollars	Head Sold	Total Value Mil. Dol.	Average Value Per Head Dollars
10	7,000	14.0	2,000	1,000	1.9	1,900
20	26,000	52.8	2,031	4,900	7.1	1,449
30	25,000	47.7	1,908	3,900	4.6	1,179
40	73,000	284.0	3,890	5,800	28.9	4,983
50	24,000	46.1	1,921	2,400	4.4	1,833
60	55,000	120.4	2,189	5,000	10.6	2,120
State	210,000	565.0	2,690	23,000	57.5	2,500

¹ State funded survey.

Agricultural Exports

USDA's Economic Research Service (ERS) publishes estimates of U.S. agricultural export contributions by states on a fiscal year basis (October 1-September 30). These estimates are prepared by major commodity groups and usually are based on the assumption that, for each commodity, a state contributes the same export share as its share of production. However, where obvious distortions exist, this procedure is amended. To keep data manageable, ERS limits exports only to states that collectively account for 90 percent of a given commodity's output. They also assume that a state would export only if it had an apparent surplus. They further assume that, although this method could eliminate some exporting states, it is more likely that large exporters would be sufficiently credited. Thus, for Tennessee, ERS no longer publishes estimates for nuts, rice, peanuts, or sunflowers, and no allowance is made for them in the "other" category.

Agricultural Exports: Tennessee and United States, 2009-2010

Commodity	Tennessee		United States	
	2009	2010	2009	2010
	Million Dollars			
Soybeans & Products	361.2	290.0	17,620.5	22,086.4
Tobacco, Unmanufactured	45.3	46.3	1,199.5	1,221.3
Cotton & Linters	144.3	174.6	3,560.6	4,840.2
Cottonseed & Products	5.3	4.7	134.0	130.2
Wheat & Products	113.3	96.4	8,601.6	8,666.6
Feed Grains & Products	72.7	65.5	11,942.4	11,912.2
Live Animals & Meat, Excluding Poultry	66.2	63.5	9,452.6	8,906.5
Fats, Oils, & Greases	1.3	1.8	676.3	949.5
Poultry & Products	73.6	65.3	4,841.3	4,619.0
Hides & Skins	1.4	2.0	1,506.6	2,116.8
Vegetables & Preparations	10.8	13.2	5,279.0	5,556.0
Dairy Products	3.4	4.9	2,334.3	3,458.1
Fruits & Preparations ¹	0.8	0.8	5,719.1	6,115.6
Feeds & Fodders	48.4	55.7	3,943.6	4,836.5
Seeds	20.4	11.7	1,235.3	1,218.4
Other ^{2 3}	76.5	83.7	18,248.5	22,030.3
All Commodities ⁴	1,044.8	980.0	96,295.1	108,663.7

¹ Apples, apple juice, and apple products, as well as other misc. fruits assumed to equal the previous year; current year production data is not released until July or later. ² Tennessee and U.S. other includes sugar and tropical products, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, wine and misc. vegetable products. ³ U.S. "Other" also includes rice, sunflower seed and oil, peanuts and products, and tree nuts. ⁴ Totals may not add due to rounding.

Source: *Foreign Agricultural Trade of the U.S.*, USDA, ERS, July 2011.
Revised 2010, Preliminary 2011 will be available October 28, 2012.

Weather

First and Last Freeze Dates, Tennessee

District/Station	First Freeze Dates ¹	Last Freeze Dates ¹	Freeze Free Days ²
	50%	50%	50%
West Tennessee			
Bolivar Waterworks	10/25	4/05	202
Brownsville	11/03	4/02	214
Covington 1 W	11/06	3/29	221
Dresden	10/23	4/08	197
Dyersburg AP	11/05	3/29	220
Jackson Exp. Stn.	10/27	4/06	202
Jackson McKellar-Spes AP	10/28	4/06	205
Martin Univ. of Tenn. BRA	10/23	4/08	197
Memphis Intl. AP	11/13	3/22	235
Milan Exp. Stn.	10/19	4/09	192
Paris 2 SE	10/26	4/10	198
Samburg Wildlife Refuge	10/24	4/07	200
Union City	10/23	4/05	201
Middle Tennessee			
Clarksville Sewage Plant	10/20	4/14	189
Columbia 3 WNW	10/19	4/12	189
Dickson	10/21	4/12	191
Dover 1 W	10/18	4/13	187
Franklin Sewage Plant	10/18	4/15	186
Lewisburg Exp. Stn.	10/18	4/16	184
Murfreesboro 5 N	10/22	4/13	192
Nashville Intl. AP	10/28	4/06	204
Savannah 6 SW	10/25	4/09	199
Shelbyville Water Dept.	10/21	4/13	190
Springfield Exp. Stn.	10/19	4/14	187
Waynesboro	10/13	4/21	175
Cumberland Plateau			
Allardt	10/16	4/17	181
Celina	10/18	4/18	183
Crossville AP	10/19	4/13	188
McMinnville	10/22	4/13	191
Monteagle	10/25	4/08	199
Tullahoma	10/23	4/11	194
East Tennessee			
Bristol Tri City AP	10/20	4/18	184
Chattanooga AP	11/04	4/01	217
Copperhill	10/15	4/24	173
Gatlinburg 2 SW	10/18	4/26	174
Greeneville Exp. Stn.	10/14	4/26	171
Kingsport	10/24	4/13	193
Knoxville Exp. Stn.	10/22	4/16	189
Lenoir City	10/27	4/10	200
Newport 1 NW	10/22	4/18	186
Oak Ridge ATDD	10/23	4/13	192
Rogersville 1 NE	10/17	4/17	182

¹ Probability of 50%, that the "first frost" will occur before the fall date listed or the "last frost" will occur after the spring date listed. ² Probability of 50% that the number of freeze free days would be longer than indicated.

Source: Freeze/Frost Occurrence Data, June 2005, National Climatic

Usual Planting and Harvesting Dates, Tennessee

Crop	Usual Planting Dates	Usual Harvesting Dates	Principal Producing Agricultural Statistics Districts ¹
Corn:			
Grain	Apr. 1 – May 5	Aug. 25 - Oct. 30	Statewide
Silage	Apr. 15 - June 10	Aug. 25 - Sep. 20	Statewide
Cotton	Apr. 25 - June 5	Sept. 20 - Nov. 25	10, 20
Soybeans	May 5 - July 5	Sept. 25 - Nov. 30	10,20,30,40
Winter Wheat	Sept. 25 - Nov. 30	June 5 - July 30	Statewide
Tobacco:			
Burley	May 5 - June 25	Aug. 5 - Oct. 5	20,30,40,50,60
Dark Fire-Cured	May 5 - June 25	Aug. 5 - Oct. 5	20,30,40
Dark Air-Cured	May 5 - June 25	Aug. 5 - Sep. 30	20,30,40
Vegetable Crops:			
Fresh Market			
Tomatoes	Apr. 10 - June 10	June 19 – Sep. 7	10,50,60 Cumberland Plateau
Snap Beans	Apr. 10 – June 20	June 10 – Aug. 20	50,60
Squash	May 1 – June 15	June 15 – Jul. 31	50,60
Fruit:			
Apples		Aug. 20 - Sept. 30	50,60
East		Aug. 1 - Sept. 15	10,20,30,40
Middle, West		July 1 - Aug. 10	Statewide
Peaches			Statewide

¹ See State Map on Page 39 for District boundaries.

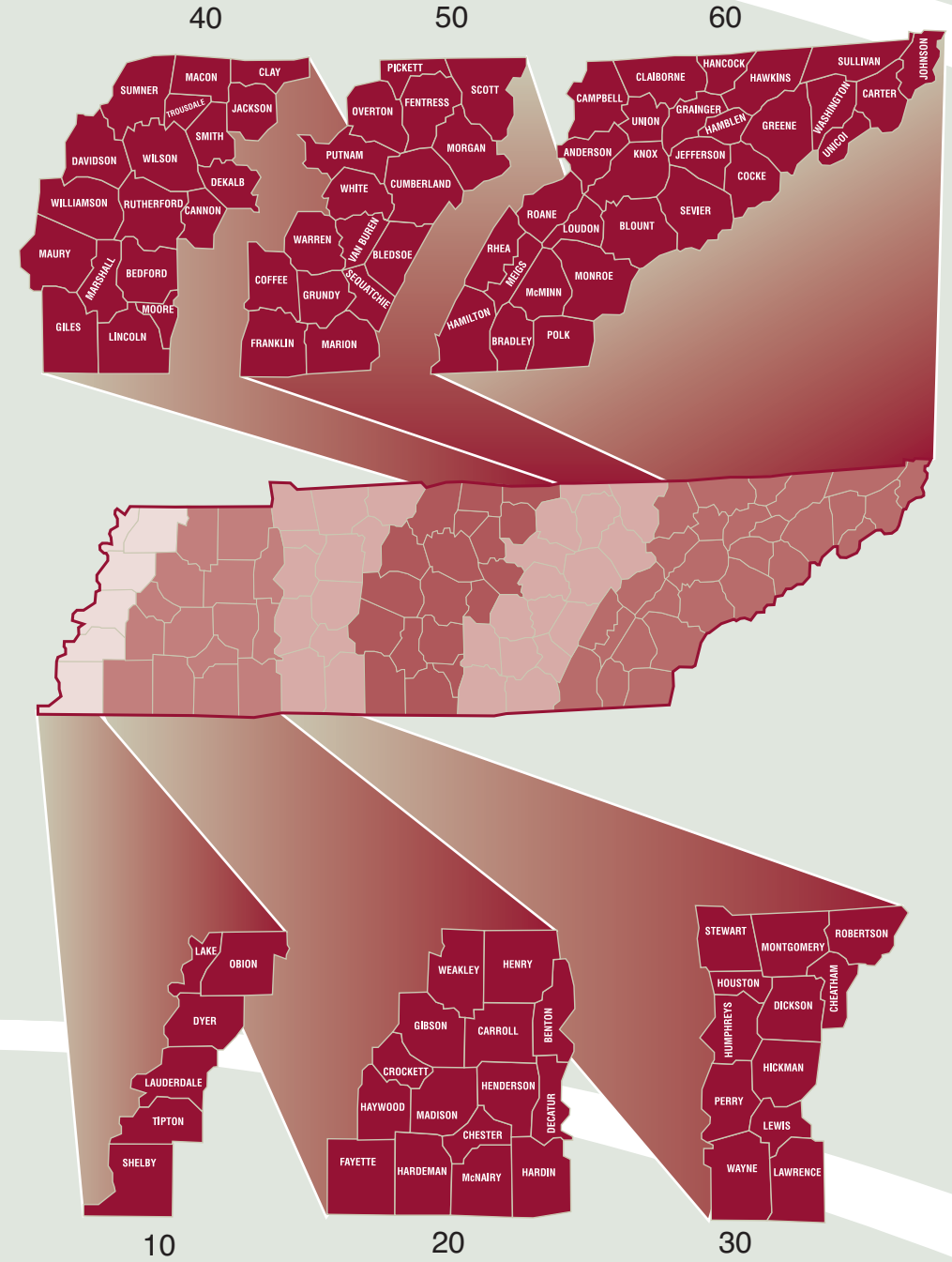
State Summary

USDA Statistics Districts

Normal Monthly Precipitation Totals, Tennessee, 1981-2010

Location	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
West Tennessee													
Ames	4.23	4.62	4.96	5.24	5.83	4.40	4.80	3.19	3.87	4.34	4.96	5.54	55.98
Covington	3.98	4.33	4.83	4.91	5.85	4.13	4.30	2.84	3.40	3.92	5.46	6.01	53.96
Dyersburg	3.77	4.59	4.33	4.71	4.95	3.97	4.61	2.86	2.79	4.06	4.87	5.52	51.03
Jackson	4.43	4.82	5.09	5.89	6.43	4.78	4.24	3.40	3.77	4.04	5.31	5.77	57.97
Jackson Exp	4.13	4.19	4.91	4.71	5.55	4.87	4.82	3.08	3.52	3.99	4.96	5.42	54.15
Marlin	3.83	4.58	4.36	4.77	5.46	4.40	4.48	2.98	3.49	4.09	4.70	5.67	52.81
Memphis	3.98	4.39	5.16	5.50	5.25	3.63	4.59	2.88	3.09	3.98	5.49	5.74	53.68
Milan	4.07	4.18	4.56	4.78	5.89	4.36	4.43	3.01	3.93	3.83	4.97	5.86	53.87
Paris	3.92	4.50	4.66	4.70	5.53	4.41	4.31	3.37	3.77	4.04	4.93	5.46	53.60
Union City	3.84	4.20	4.58	4.57	5.55	4.55	3.91	2.76	3.54	4.45	4.69	5.34	51.98
Middle													
Columbia	4.30	4.76	5.21	4.78	5.86	4.46	5.19	3.54	3.76	3.62	4.57	5.39	55.44
Lewisburg	4.47	4.44	5.28	4.52	5.24	4.44	4.54	3.80	4.33	3.58	4.75	5.45	54.84
Nashville	3.75	3.94	4.11	4.00	5.50	4.14	3.64	3.17	3.41	3.04	4.31	4.24	47.25
Springfield	4.02	4.23	4.33	4.57	5.59	4.29	3.94	3.31	3.55	3.85	4.17	4.73	50.58
East Tennessee													
Bristol	3.37	3.45	3.44	3.33	3.80	3.90	4.69	3.47	2.99	2.10	3.10	3.37	41.01
Chattanooga	4.91	4.84	4.98	3.99	4.10	4.05	4.91	3.48	4.04	3.28	5.00	4.90	52.48
Crossville	4.76	4.46	4.98	4.82	5.36	4.60	5.15	3.99	3.88	3.04	5.10	4.95	55.09
Crossville Exp	5.35	5.04	5.35	5.08	5.70	4.58	5.20	3.95	3.94	3.55	5.11	6.10	58.95
Greeneville	3.14	3.67	3.42	3.87	4.05	4.10	4.68	4.31	3.24	2.08	2.85	3.34	42.75
Knoxville	4.32	4.26	4.34	4.01	4.51	3.81	5.08	3.27	3.24	2.51	4.01	4.50	47.86
Knoxville Exp	4.84	4.63	4.64	4.31	4.80	3.90	5.57	3.35	3.74	2.84	4.24	5.07	51.93

Source: Southern Regional Climate Center/ Louisiana State University, Baton Rouge, Louisiana.



State Organizations

Agricultural & Forestry

4-H Club, Tenn.

205 Morgan Hall, 2621 Morgan Circle
Knoxville, TN 37996-4510
Ph: 865-974-2128 Fax: 865-974-1628
<http://4h.tennessee.edu>

4-H Foundation, Inc., Tenn.

205 Morgan Hall, 2621 Morgan Circle
Knoxville, TN 37901-4510
Ph: 865-974-7436 Fax: 865-974-1628
<http://4hfoundation.tennessee.edu/>

Ag In The Classroom Foundation

P.O. Box 313, 147 Bear Creek Pk.
Columbia, TN 38402-0313
Ph: 931-388-7872 Fax: 931-388-5818
www.tnfarmbureau.org/education-resources

Agricenter International

7777 Walnut Grove Rd.
Memphis, TN 38120
Ph: 901-757-7777 Fax: 901-757-7783
www.agricenter.org

Agricultural Museum, Tenn.

Ellington Agricultural Center
P.O. Box 40627, Nashville, TN 37204
Ph: 615-837-5197
www.tnagmuseum.org

Agricultural Production Association, Tenn.

P.O. Box 3003
LaVergne, TN 37086
Ph: 615-793-8355 Fax: 615-793-8380
<http://eppserver.ag.utk.edu/Extension/TAPA/TAPA.html>

Agritourism Association, Tenn.

6290 McDaniel Rd.
College Grove, TN 37046
www.tennesseeagritourism.org

Austin Peay State University Department of Agriculture

Sundquist Science Complex, Rm D232
P.O. Box 4607
Clarksville, TN 37044
Ph: 931-221-7272 Fax: 931-221-6385
www.apsu.edu/agriculture

Beef Council, Tenn.

530A Brandies Circle
Murfreesboro, TN 37128
Ph: 615-896-5811 Fax: 615-869-5814
www.beefup.org

Beekeepers Association, Tenn.

3900 Rock Springs Road
Watertown, TN 37184
www.tnbeekeepers.org

Boll Weevil Eradication Foundation, Inc., Tenn.

Ellington Agricultural Center
P.O. Box 40627
Nashville, TN 37204
Ph: 615-837-5136 Fax: 615-837-5025
www.tn.gov/agriculture/general/bollweevil.html

Burley Stabilization Corporation

835 Bill Jones Rd.
Springfield, TN 37172
Ph: 615-212-0508 Fax: 866-828-6501
www.burleystabilization.com

Cattlemen's Association, Tenn.

530 B Brandies Circle
Murfreesboro TN 37128,
Ph: 615-896-2333, Fax: 615-896-0244
www.tncattle.org

Conservation Districts, Tenn. Assn. of

325 Delmar Salts Rd.
Gray, TN 37615
Ph: 423-737-7667, Fax: 423-477-9293

Cooperative, Tennessee Farmers

P.O. Box 3003, 200 Waldron Rd.
LaVergne, TN 37086-1983
Ph: 615-793-8011 Fax: 615-793-8404
www.ourcoop.com

Cooperatives, Tenn. Council of

c/o Roberta Smith, Bledsoe Telephone
Cooperative, P.O. Box 609
Pikeville TN 37367
Ph: 423-447-2121, Fax: 423-447-2498
www.tennesseeCouncilofcoops.org

Cotton Council of America, National

P.O. Box 2995
Cordova TN 38088-2995
Ph: 901-274-9030 Fax: 901-725-0510
www.cotton.org

Cotton Ginners Assn., Southern

874 Cotton Gin Place
Memphis, TN 38106
Ph: 901-947-3104 Fax: 901-947-3103
www.southernCottonGinners.org

Dairy Association of Tenn., American

9201 Bunsen Pkwy, Suite 100
Louisville, KY 40220
Ph: 502-495-7760 Fax: 502-495-7764
www.southeastdairy.org or www.got-milk.com

Dairy Producers Association, Tenn.

3002 Long Creek Road
Parrottsville, Tn 37843
Ph: 423-623-7494
www.tennesseeDairy.org

Dairy Products Association, Tenn.

1838 Elm Hill Pike, Ste. 136
Nashville, TN 37210-3726
Ph: 615-889-0136 Fax 615-889-2877

Emu Association, Tenn.

P.O. Box 9
Hickman, TN 38567
Ph: 615-286-2509

Equine Association, Tenn.

P.O. Box 975
Columbia, TN 38402
Ph: 931-698-0243
www.tnequine.org

Fairs, Tennessee Association of

123 Clark Mill Rd.
Fayetteville, TN 37334
Ph: 931-438-7242
www.tennesseeFairs.com

Farm & Forest Families of Tenn., The

P.O. Box 313, 147 Bear Creek Pk.
Columbia, TN 38402-0313
Ph: 931-388-7872 Fax: 931-381-5818

Farm Bureau Federation, Tenn.

P.O. Box 313, 147 Bear Creek Pk.
Columbia, TN 38402-0313
Ph: 931-388-7872 Fax: 931-381-3540
www.tnfarmbureau.org

Farm Credit Services of Mid-America

813 South Church St.
Murfreesboro, TN 37130-0609
Ph: 615-893-7631 Fax: 615-893-4522
www.farmcredit.com

Farm Winegrowers Alliance, Tenn.

Ph: 615-498-1563
www.tennesseeWines.com

Feed & Grain Association, Tenn.

P.O. Box 901
Guntersville, AL 35976
Ph: 256-582-5245
www.tnfeedandgrain.org
FFA Alumni Association, Tenn.
P.O. Box 720
White House, TN 37188
Ph: 615-419-9950 Fax: 615-672-9370
www.tnffa.org

FFA Foundation, Inc., Tenn.

Box 5034, TN Tech University
Cookeville, TN 38505-0001
Ph: 931-372-6050 Fax: 931-372-6051
www.tnffa.org

FFA, Tennessee Association of

4th Floor, Andrew Johnson Tower
710 James Robertson Parkway
Nashville, TN 37243-0383
Ph: 615-532-2847 Fax: 615-532-8226
www.tnffa.org

Forage & Grassland Council, Tenn.

2431 Joe Johnson Dr.
Knoxville, TN 37996
Ph: 865-974-7208

Forestry Association, Tenn.

2605 Elm Hill Pike, Suite G
Nashville, TN 37214
Ph: 615-883-3832 Fax: 615-883-0515
www.tnforestry.com

Forestry Commission, Tenn.

P.O. Box 40627
Nashville, TN 37204
Ph: 615-837-5520 Fax: 615-837-5003
www.tn.gov/agriculture/forestry/forestrycommission.html

Fruit & Vegetable Association, Tenn.

2837 Taylor Road
Maryville, TN 37803
Ph: 865-983-0153
<http://tfva.org>

Fuel & Convenience Store Assn., Tenn.

P.O. Box 101334
Nashville, TN 37224
Ph: 615-242-4377 Fax: 615-254-8117
www.tfca.info

Grocers & Convenience Store Assoc., Tenn.
1838 Elm Hill Pike, Suite 136
Nashville, TN 37210-3726
Ph: 615-889-0136 Fax: 615-889-2877
www.tngrocer.org

Hardwood Lumber Assn., National
6830 Raleigh/LaGrange Rd.
Memphis, TN 38134-0518
Ph: 901-377-1818 Fax: 901-382-6419
www.nhla.com

Livestock Marketing Association, Tenn.
P.O. Box 322
Kingsport, TN 37662
Ph: 423-378-3254 Fax: 423-378-9412
www.lmaweb.com

MTSU School of Agribusiness & Agriscience
P.O. Box 5
Murfreesboro, TN 37132
Ph: 615-898-2523
www.mtsu.edu/abas

Nature Conservancy, The
2021 21st Ave., Suite C-400
Nashville, TN 37212
Ph: 615-383-9909
www.nature.org

Nursery Association, Middle Tenn.
201 Locust St., Suite 14,
McMinnville, TN 37110
Ph: 931-507-7322 Fax: 931-507-9601
www.mtna.com

Nursery & Landscape Association, Inc., Tenn.
P.O. Box 57, 115 Lyon St.
McMinnville, TN 37111
Ph: 931-473-3951 Fax: 931-473-5883
www.tnla.com

Organic Growers Association, Tenn.
P.O. Box 121723
Nashville, TN 37212-1723
www.tnorganics.org

Pest Control Association, Tenn.
1235 Mattoxtown Rd.
Lawrenceburg, TN 38464
Ph: 931-829-1122
www.tennpca.org

Pork Producers Association, Tenn.
13994 Versailles Road
Rockvale, TN 37153
Ph/Fax: 615-274-6533
porkpromotn@tds.net

Poultry Association, Tenn.
P.O. Box 1525
Shelbyville, TN 37162-1525
Ph: 931-225-1123
www.tnpoultry.org

Soybean Promotion Board, Tenn.
100 Executive Dr.
Jackson, TN 38305
Ph: 731-668-2850 Fax: 731-668-2772
www.tnsoybeans.org

Specialty Foods Association, Tenn.
c/o Ron Boyle, Porky's Gourmet Foods,
644 Blythe St.,
Gallatin, TN 37066
Ph: 615-230-7000

Tenn. Tech. Univ. College of Agricultural and Human Sciences
P.O. Box 5165
Cookeville, TN 38505
Ph: 931-372-3149 Fax: 931-372-3150
www.tntech.edu/aghec

Tenn. Tech. Univ. School of Agriculture
P.O. Box 5034
Cookeville, TN 38505
Ph: 931-372-3019 Fax: 931-372-3899
www.tntech.edu/agriculture

Tenn. State Univ. School of Agriculture & Consumer Sciences
3500 John A. Merritt Blvd.
Nashville, TN 37209-1561
Ph: 615-963-7620 Fax: 615-963-5888
www.tnstate.edu/agriculture

Tenn. State Univ. Cooperative Extension Service
3500 John A. Merritt Blvd.
Nashville, TN 37209-1561
Ph: 615-963-1351 Fax: 615-963-5833
www.tnstate.edu/extension

USDA Farm Service Agency
801 Broadway, 579 U.S. Courthouse
Nashville, TN 37203-3816
Ph: 615-277-2600 Fax: 615-277-2659
www.fsa.usda.gov/tn

USDA Natural Resources Conservation Svc.
801 Broadway, 675 U.S. Courthouse
Nashville, TN 37203
Ph: 615-277-2531 Fax: 615-277-2577
www.tn.nrcs.usda.gov

USDA Rural Development
3322 West End Avenue, Suite 300
Nashville, TN 37203-6835
Ph: 615-783-1300 Fax: 615-783-1301
www.rurdev.usda.gov/tn

USDA National Ag Statistics Service, Tennessee Field Office
Ellington Agricultural Center
P.O. Box 41505
Nashville, TN 37204-1505
Ph: 615-781-5300 or 800-626-0987
Fax: 615-781-5303
www.nass.usda.gov/tn

UT Center for Profitable Agriculture
P.O. Box 1819
Spring Hill, TN 37174
Ph: 931-486-2777 Fax: 931-486-0141
http://cpa.utk.edu

UT College of Agricultural Sciences & Natural Resources
2621 Morgan Circle, 125 Morgan Hall
Knoxville, TN 37996-4500
Ph: 865-974-7303 Fax: 865-974-9329
http://ag.tennessee.edu/casnr

UT College of Veterinary Medicine
2407 River Drive
Knoxville, TN 37996
Ph: 865-974-8387 Fax: 865-974-4773
www.vet.utk.edu

UT AgResearch
103 Morgan Hall
Knoxville, TN 37996-4506
Ph: 865-974-7121 Fax: 865-974-6479
http://taes.tennessee.edu

UT Extension
121 Morgan Hall
Knoxville, TN 37996-4530
Ph: 865-974-7114 Fax: 865-974-1068
www.utextension.tennessee.edu

UT Institute of Agriculture
101 Morgan Hall
Knoxville, TN 37996-4505
Ph: 865-974-7342 Fax: 865-974-8781
www.agriculture.utk.edu

UT Martin College of Agriculture and Applied Sciences
250 Brehm Hall
Martin, TN 38238
Ph: 731-881-7250 Fax: 731-881-7948
www.utm.edu/departments/caas

UT Martin Dept. of Agriculture, Geosciences & Natural Resources
256 Brehm Hall
Martin, TN 38238
Ph: 731-881-7262 Fax: 731-881-7968
www.utm.edu/departments/caas/anr

USDA Forest Service – Cherokee National Forest
2800 North Ocoee St
Cleveland, TN 37312-5374
Ph: 423-476-9700
www.fs.usda.gov/cherokee

Urban Forestry Council, Tenn.
6820 Cloudland Drive
Nashville, TN 37205
Ph: 615-352-8985
www.tufc.com

Viticulture & Oenological Society, Tenn.
Louisa Cooke
1100 Dunlop Lane
Clarksville TN 37040
Ph: 931-645-8867
www.tvos.org

Walking Horse Breeders & Exhibitors Assn., Tenn.
P.O. Box 286
Lewisburg, TN 37091
Ph: 931-359-1574 Fax: 931-359-2539
www.twhbea.com

Walking Horse National Celebration, Tenn.
P.O. Box 1010
Shelbyville, TN 37162
Ph: 931-684-5915 Fax: 931-684-5949
www.twhnc.com

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