



WE ARE OKLAHOMA

Strengthening our **STATE** through Teaching, Research and Extension



DIVISION OF
Agricultural Sciences
& Natural Resources

WE ARE OKLAHOMA

Strengthening our state through Teaching, Research and Extension

Oklahoma State University's Division of Agricultural Sciences and Natural Resources is dedicated to developing and disseminating science-based information relevant to helping people improve the quality of life for them, their families and communities. The Division is comprised of the College of Agricultural Sciences & Natural Resources, the Oklahoma Agricultural Experiment Station and the Oklahoma Cooperative Extension Service. Here is a look at how we are serving people throughout our great state every day.



COMMUNITY

- Oklahoma 4-H Youth Development programs reach more than **97,000 youth each year**.
- Young people in Juntos, a research-based, culturally appropriate mentoring program for at-risk Latino students, **reduced absences by 33 percent**, cut tardiness by 23 percent and raised their grades by 29 percent.
- Community Nutrition Education Programs reached **nearly 11,000 family members** in 2015. Of these families, 48 percent are at or below the federal poverty level.
- More than 1,200 Oklahoma Master Gardeners volunteered nearly **\$1.7 million in service time** to local communities.



CROPS

- **More than 40 percent** of Oklahoma's wheat acreage is planted with OSU-developed varieties.
- Extension scientists identified sugarcane aphid infestations in grain sorghum and helped growers combat the threat, helping **save producers \$700,000** in lost grain yields in 2015.
- The OSU Wheat Improvement Team saved Oklahoma wheat growers more than **\$1.5 million in yield losses** in 2015 by screening winter wheat varieties for resistance to Hessian fly infestations.
- Extension's free herbicide resistance diagnostic service discovered herbicide-resistant Italian ryegrass populations, and subsequent research-based weed control recommendations stand to **save growers as much as \$18 million annually**.
- DASNR showed producers **how to modify pecan production to improve product quality, reduce the incidence of shell suture and take advantage of early harvesting** for increased potential profits. Oklahoma is the nation's fifth-leading producer of pecans.



FOOD SAFETY

- OSU's College of Agricultural Sciences and Natural Resources offers a **new food safety degree option** for food science majors in the department of animal science.
- In 2015, the Robert M. Kerr Food & Agricultural Products Center at OSU **assisted 50 food businesses** with technical, business, regulatory and food safety programs.
- Family and Consumer Sciences **educators in all 77 counties conduct training workshops** in science-based methods of home food preservation and storage that result in safe, quality products.
- FAPC held **130 food industry employee training sessions** in 2015.



LIVESTOCK

- DASNR developed a **technique to improve the appearance and value of dark-cutting beef**, which costs the U.S. beef industry approximately \$165 million to \$170 million each year.
- DASNR's annual Oklahoma Meat Goat Bootcamp has allowed producers from more than two dozen states to increase knowledge by nearly 40 percent, and attendees indicated the education received has an average perceived **value of \$312,868 per bootcamp.**
- Graduates of the OSU Master Cattleman Program estimate improvement in their cattle operation's **profitability at approximately \$3,500 annually.**
- Since 1998, DASNR has **trained 2,700 poultry operators** in processes relevant to maintaining water quality, proper manure handling techniques, nutrient management, record keeping, and laws and rules relevant to poultry waste management in Oklahoma.



HEALTH AND WELLNESS

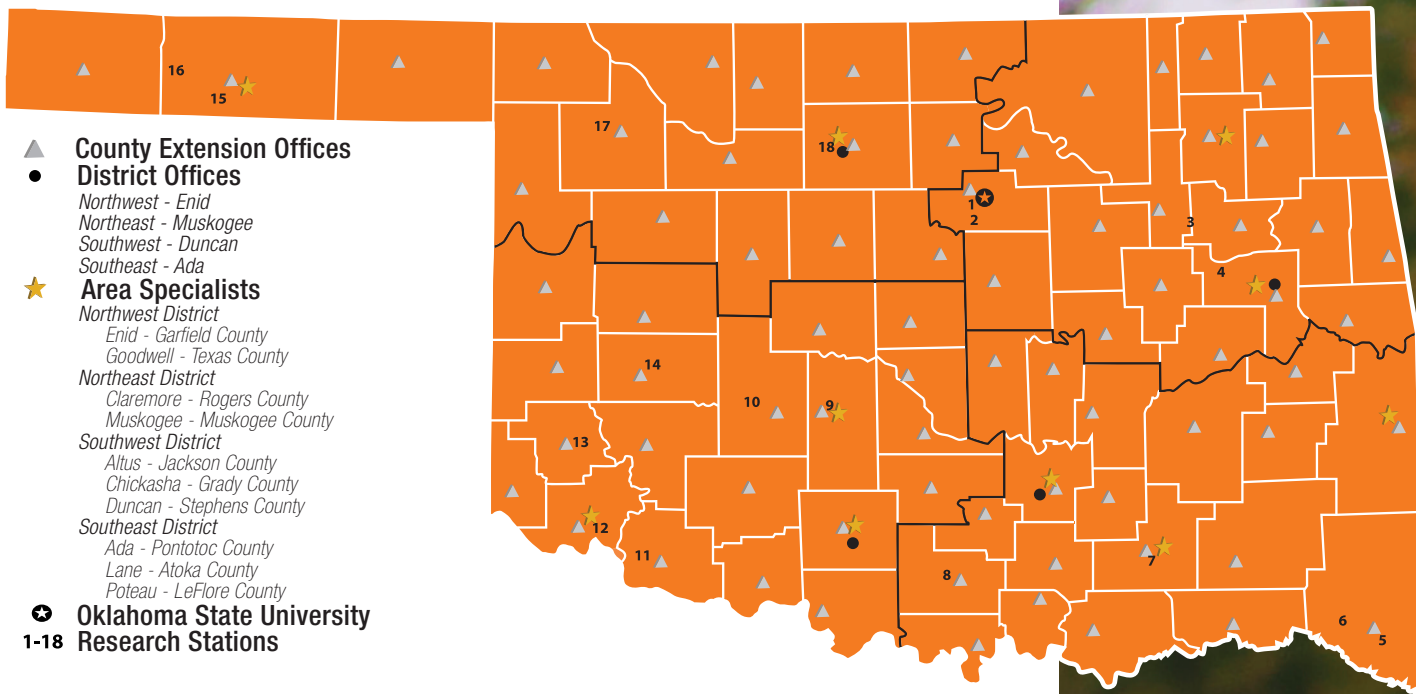
- Extension's Co-Parenting for Resilience program served nearly 3,000 participants, 96 percent of whom indicated they **learned new ways to be an effective parent** and 92 percent said they would recommend the program to a friend going through a divorce.
- Participants in Extension financial management programs in 2015 reported a **58 percent increase in intent to regularly track income & spending.**
- The Cooking for Kids skills-development program helped **294 school nutrition professionals representing 93 Oklahoma school districts** build expertise in providing flavorful and healthy school breakfast and lunch programs in 2015.
- Extension-trained Master Gardeners donated approximately **1,200 pounds of fresh-grown produce** to local food pantries, kitchens, shelters and programs throughout Oklahoma.



WATER

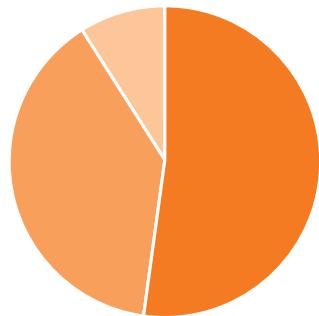
- Since 2000, the Oklahoma Water Resources Center has funded **nearly 50 research projects**, providing support and training for 180 students.
- DASNR's South Central Research Station is conducting irrigation research with the City of Chickasha, **discovering ways of safely using some of the 1.7 million gallons of wastewater** produced per day to irrigate crops.
- Research conducted in the Barren Fork Creek watershed in northeast Oklahoma demonstrated the **value of riparian protection as a best management practice** to stop streams from eroding and phosphorus-laden sediment washing into streams.
- Extension designed the low-impact development approach, a comprehensive land planning and engineering design approach with a goal of **maintaining and enhancing urban and developed watersheds.**
- The Oklahoma City Zoo and Botanical Garden features a **drought-tolerant garden** through a partnership with Extension, OSU's Department of Horticulture and Landscape Architecture and the Oklahoma City Utilities Department.

WE ARE *in every county in the state*



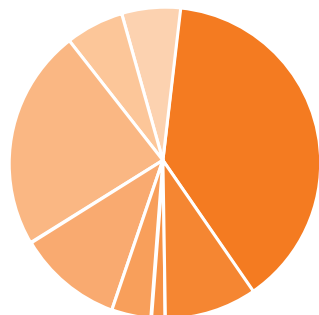
- ▲ County Extension Offices
- District Offices
 - Northwest - Enid
 - Northeast - Muskogee
 - Southwest - Duncan
 - Southeast - Ada
- ★ Area Specialists
 - Northwest District
 - Enid - Garfield County
 - Goodwell - Texas County
 - Northeast District
 - Claremore - Rogers County
 - Muskogee - Muskogee County
 - Southwest District
 - Altus - Jackson County
 - Chickasha - Grady County
 - Duncan - Stephens County
 - Southeast District
 - Ada - Pontotoc County
 - Lane - Atoka County
 - Poteau - LeFlore County
- ★ Oklahoma State University
- 1-18 Research Stations

WE ARE *committed to our land-grant mission*



FY2015 BUDGET BY AGENCY

▲ OAES (Research)	\$ 71,394,826
▲ OCES (Extension)	\$ 53,702,241
▲ CASNR (Teaching)	\$ 12,400,311
Total	\$137,497,378



FY2015 FUNDING SOURCES

▲ State Appropriations	\$ 53,894,143
▲ Federal Appropriations	\$ 13,016,924
▲ Program Fees	\$ 1,584,083
▲ Endowments	\$ 5,103,000
▲ Revolving Funds, Station Sales	\$ 14,400,000
▲ Grants and Contracts	\$ 25,283,000
▲ Carryover/Other Sources	\$ 15,600,000
▲ University General Fund Allocations	\$ 8,616,228
Total	\$137,497,378

Division of Agricultural Sciences & Natural Resources

THOMAS G. COON

Vice President for Agricultural Programs
 thomas.coon@okstate.edu
 405-744-2474

GARY SHERRER

Assistant Vice President of External Affairs
 gary.sherrer@okstate.edu
 405-744-5398

WeAreOklahoma.okstate.edu



osudasnr



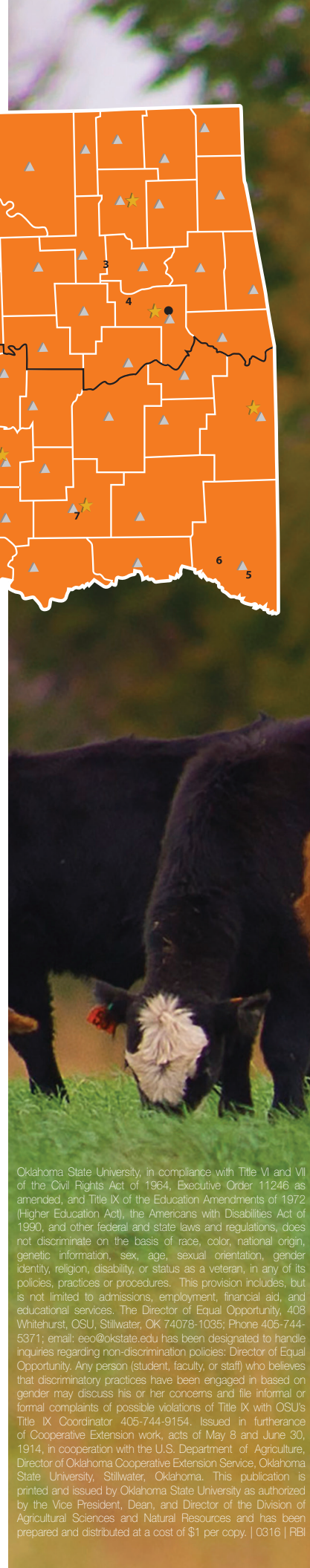
okstate_ag



okstate_ag



okstate_ag



Oklahoma State University, in compliance with Title VI and VII of the Civil Rights Act of 1964, Executive Order 11246 as amended, and Title IX of the Education Amendments of 1972 (Higher Education Act), the Americans with Disabilities Act of 1990, and other federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, genetic information, sex, age, sexual orientation, gender identity, religion, disability, or status as a veteran, in any of its policies, practices or procedures. This provision includes, but is not limited to admissions, employment, financial aid, and educational services. The Director of Equal Opportunity, 408 Whitehurst, OSU, Stillwater, OK 74078-1035; Phone 405-744-5371; email: eeo@okstate.edu has been designated to handle inquiries regarding non-discrimination policies; Director of Equal Opportunity. Any person (student, faculty, or staff) who believes that discriminatory practices have been engaged in based on gender may discuss his or her concerns and file informal or formal complaints of possible violations of Title IX with OSU's Title IX Coordinator 405-744-9154. Issued in furtherance of Cooperative Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture, Director of Oklahoma Cooperative Extension Service, Oklahoma State University, Stillwater, Oklahoma. This publication is printed and issued by Oklahoma State University as authorized by the Vice President, Dean, and Director of the Division of Agricultural Sciences and Natural Resources and has been prepared and distributed at a cost of \$1 per copy. | 0316 | FBI