

New Mexico Cooperative Extension Service

PROVIDE THE PEOPLE OF NEW MEXICO WITH PRACTICAL, RESEARCH-BASED
KNOWLEDGE AND PROGRAMS TO IMPROVE THEIR QUALITY OF LIFE

Economic & Rural Development & Policy Committee – Sept. 11, 2024

Jon Boren, Ph.D.

College of Agricultural, Consumer &
Environmental Sciences

Associate Dean & Director,
Cooperative Extension Service



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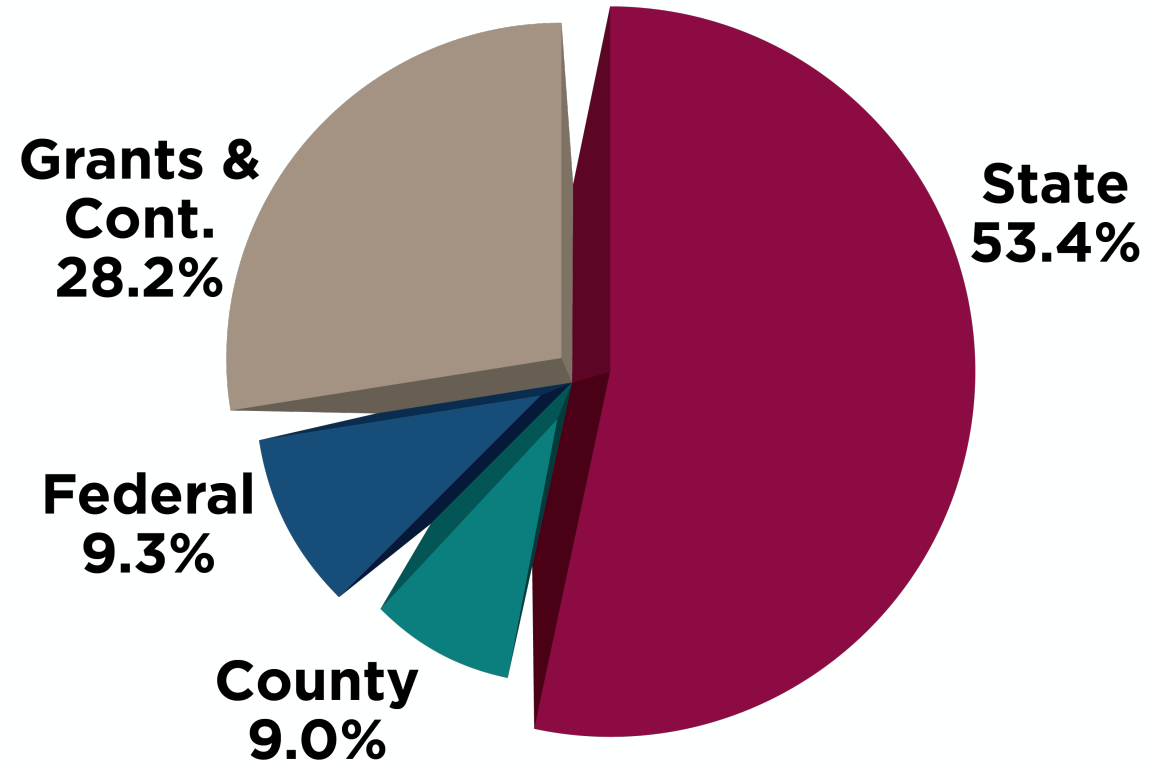
Cooperative Extension Service

- Community education arm of New Mexico State University
- Unique federal, state and county partnership enabled by the **Smith-Lever Act of 1914** and a **State Statutory Program** under Section 76
- **Mission of CES** is to *“provide the people of New Mexico with practical, research-based knowledge and programs to improve their quality of life”*
- **CES has evolved and adjusted to the changing needs** of New Mexico stakeholders, balancing the continuing need for updated information on traditional agricultural subjects as well as addressing innovations in newer subject areas



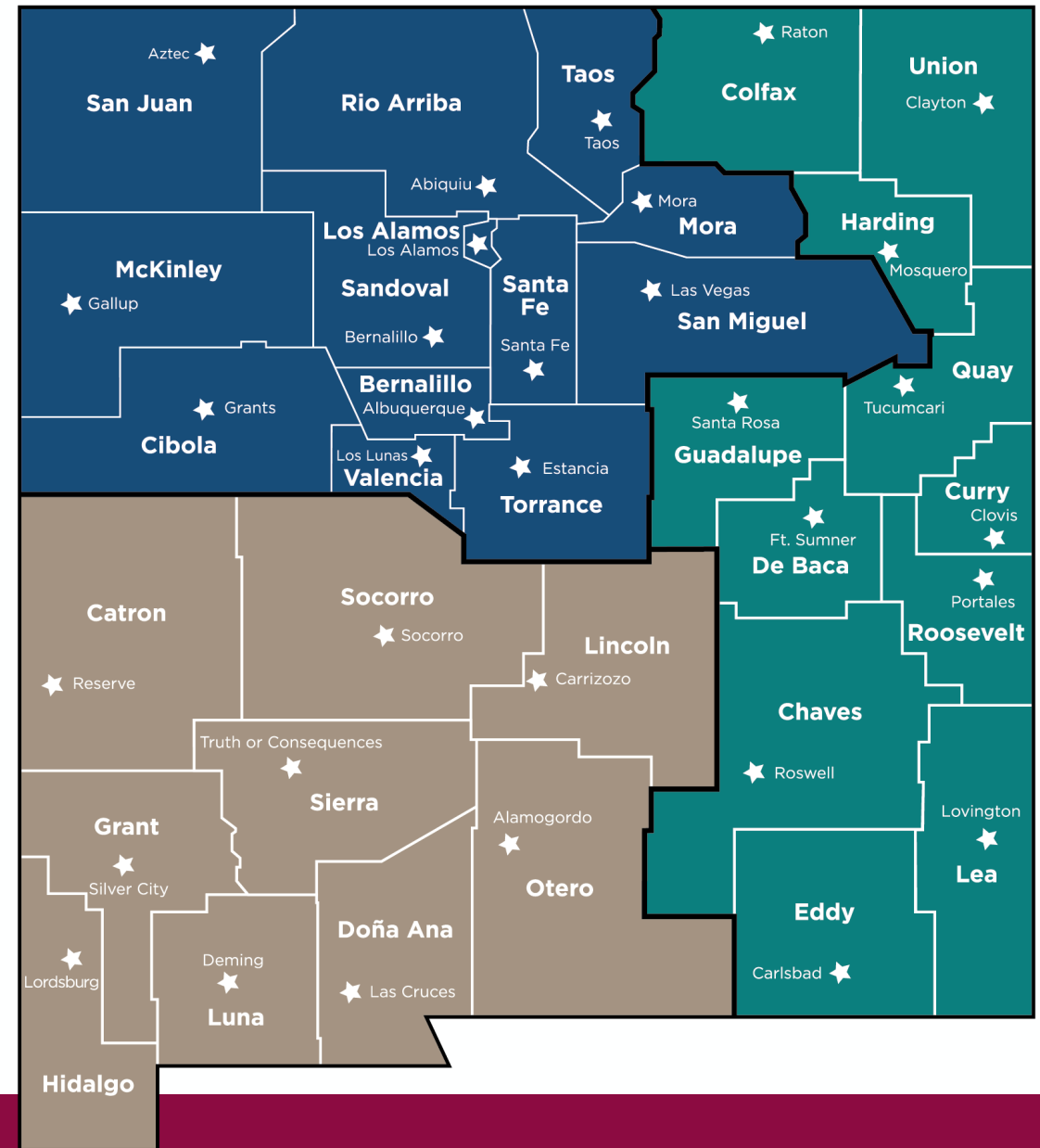
CES Funding Sources

- Total FY23 CES budget \$36 million
- State appropriations constitute approximately 53% of the overall budget
- About 70% of budget dedicated to personnel service costs
- State's investment in CES is matched nearly 1:1 through county appropriations, federal appropriations, and grants & contracts



CES Overview

- 331 permanent faculty and staff
 - 253 Agents/Specialists/Program Assistants
 - 78 Staff
 - 30 Students
- CES faculty are housed in offices in all 33 counties and 54 office locations
- CES faculty are integrated into departments in the College of ACES



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Cooperative Extension Specialist Departments

Animal Sciences and Natural Resources

Department Head: **Shanna Ivey**
12 Specialists/Faculty/Staff

Mission Statement: The Department of Extension Animal Sciences and Natural Resources is committed to providing the citizens of New Mexico with research-based, practical, and applied educational programming that meets the demands New Mexico has in the agricultural and natural resource communities.

Plant Sciences

Department Head: **Anowar Islam**
26 Specialists/Faculty/Staff

Mission Statement: The mission of the Extension Plant Sciences Department is to extend research-based knowledge and technology that enables our clientele to improve the quality of their lives and enhances the agricultural, economic, environmental, and social well-being of the state.

Economics

Department Head: **Carlos Carpio**
13 Specialists/Faculty/Staff

Mission Statement: The 21st century presents many challenges and opportunities concerning our agricultural, natural, and human resources. Our mission is to enhance the well-being of the citizens of New Mexico, the nation, and the world through the cornerstones of teaching, research, and Extension programs.

4-H Youth Development

Department Head: **Allen Malone, Interim**
9 Specialists/Faculty/Staff

Mission Statement: 4-H provides youth with opportunities to learn skills, gain knowledge, have fun, and make contributions in such areas as environmental education, community service, and current youth issues. As the world's largest youth organization, 4-H grows youth into capable, responsible, and caring individuals.

Family and Consumer Sciences

Department Head: **Efren Delgado**
54 Specialists/Faculty/Staff (Includes 27 Nutrition Educators assigned throughout the state.)

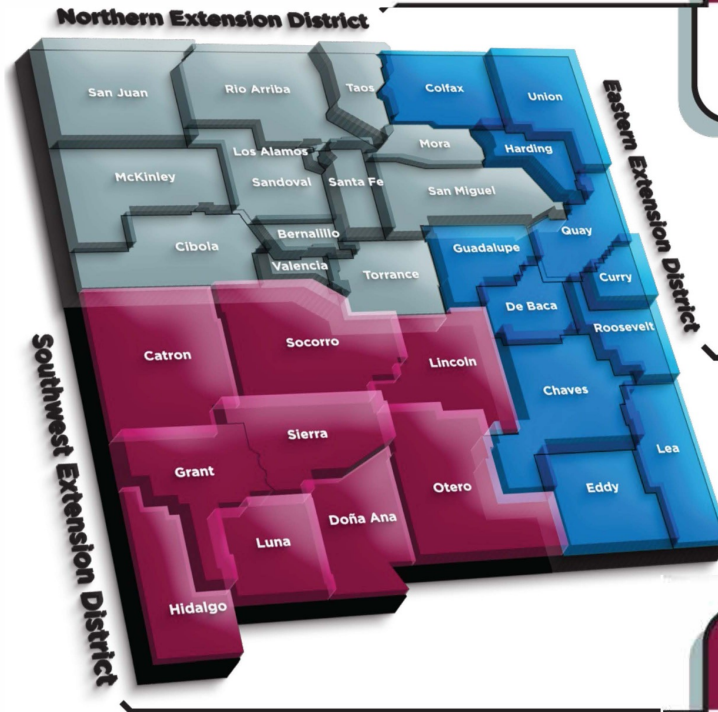
Mission Statement: The mission of the Department of Extension Family and Consumer Sciences (EFCS) is to improve the quality of life for the citizens of New Mexico by distributing research-based information on community and environmental health, food technology, nutrition and wellness, personal and family finance management, and family life and child development.

Innovative Media Research and Extension

Department Head: **Barbara Chamberlin**
25 Specialists/Faculty/Staff

Mission Statement: The mission of this educational research and design studio is to translate university-based research into high-quality educational media tools, such as games, apps, virtual labs, animations and videos. Ongoing faculty research on digital and interactive media topics informs development of effective tools and contributes to the larger body of knowledge.

Cooperative Extension District Departments



Northern District:

Department Head: **Christina Turner**

13 Counties and Tribal Extension
District Population 1,418,895
94 Agents/Staff

Eastern District:

Department Head: **Patrick Kircher, Interim**

11 Counties
District Population 297,462
46 Agents/Staff

Southwest District:

Department Head: **Tom Dean**

9 Counties
District Population 399,520
48 Agents/Staff

CES Programs

- Best known CES programs include:
 - 4-H Youth Development
 - Agriculture and Natural Resources
 - Family and Consumer Sciences
 - Community Economic Development
- CES addresses emerging issues:
 - A host of natural resources issues, wildfires
 - Homeland Security
 - Financial Mediation
 - Public Officials Training
 - Workforce Readiness
 - Current health topics - Diabetes, Obesity, Food Safety, Immunization, Mental Health



CES Performance Metrics

Impact Metric	2021	2022	2023
Clientele Contacts	497,062	552,213	666,762
Social Media Contacts	11,814,386	9,478,003	11,205,662
Refereed Journal Articles	45	38	49
Extension Publications	547	572	906
Presentations, Workshops, Trainings	2,573	3,380	3,881
Students Employed	57	58	28
Competitive Funding	\$6,010,902	\$7,182,068	\$8,447,565



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Cooperative Extension Highlights

Youth Development



The 4-H youth development program is a dynamic non-formal education program providing New Mexico youth opportunities to learn life skills, gain knowledge while having fun, and make contributions to their communities.

- Reached over 43,000 New Mexico youth in 2023
- 200 projects available for young adults
- 4-H youth are 2.5 times more engaged in civic development
- Twice as likely to participate in STEM programs
- Half as likely to use drugs and 4.9 times more likely to graduate from college



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Cooperative Extension Highlights



Aggie Next Step Program

Aggie Next Step, part of the NM 4-H program, is a post-secondary success program for students in grades 8-12 who learn how to chart clear steps toward reaching their educational and occupational goals.

- The program prepares youth for successful high school transition to college or a career
- Academic success is challenging for many students in traditional school settings
- ANS builds advance skills for student success in school, work and their personal lives



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Cooperative Extension Highlights

Tribal Extension

The Tribal Extension Program develops and delivers community-based educational programs to Native American communities across the state.



- Five agents and a coordinator serve the Navajo Nation, Southern Pueblos, Northern Pueblos, and the Jicarilla Apache Reservation
- Focus areas include the revitalization of agriculture, culturally appropriate youth leadership programs and bonds between individuals, families and communities
- NM Tribal Extension works with tribes and pueblos to build strong connections, learn new skills and share valuable knowledge

Cooperative Extension Highlights

NM EDGE: Better Government through Education

NM EDGE (Education Designed to Generate Excellence in the public sector) is designed to provide a comprehensive course of study to administrators, managers, elected officials, and staff in local, state, tribal, and national government.

- In 2023, NM EDGE was reaccredited through the National Certified Public Managers Consortium
- Certified Public Manager, County Commissioner, County Clerk, Human Resource Professional (substitution 2 years education or experience), Public Finance, Tax Policy Specialist, and others
- 400 online and in-person classes are offered annually
- 1,200 public employees take classes annually
- In 2023, students logged 18,366 hours



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Cooperative Extension Highlights

Healthy Families

Extension Family and Consumer Sciences addresses critical issues such as diabetes education, nutrition and health education, personal and family finance, stress and resilience, vaccine Education, and chronic disease prevention.

- In 2023, EFCS was awarded almost \$4.5 million in grants
- Nearly 21,000 residents participated in EFCS education and training programs
- The economic impact of the programs was more than \$16.4 million
- Working to reduce suicide rates through the New Mexico Extension Behavioral Health Initiative



Cooperative Extension Highlights

Food Production

Extension Plant Sciences provides essential programming for New Mexico agricultural producers, commercial turf grass, and amateur horticulture communities.



- In 2023, over 970 Extension Master Gardener volunteers contributed more than 76,100 hours
- Volunteers have grown and harvested over 62,000 pounds of produce that is donated
- Donations valued at \$2.19 per pound, offset food costs to clients using these services by \$136,340
- Pesticide Safety Education Program reaches over 500 individuals annually adding \$17M to the economy

Cooperative Extension Highlights

Virtual Fencing

Rebuilding after extreme weather events such as wildfires and flooding can be a tedious task. Federal funding from USDA NIFA helped AES and CES aid agricultural producers implement and research virtual fencing technology to build resiliency of agriculture systems impacted by wildfire and subsequent flooding.

- 325,000 acres of forest and rangelands in the southern portion of the Gila National Forest were burned
- Over 200 cows have been collared and are grazing more than 30,000 acres.
- US Forest Service estimated about 90 percent of the cattle were contained appropriately and sensitive environmental sites were protected
- 21st century approach helps producers better manage and recover their rangelands



CES Critical Event Response

- CES participates in Emergency Support Function (ESF) No. 11 Agriculture and Natural Resource calls daily
 - Providing updates on community needs and issues that need to be addressed in the counties with wildfires
- Coordination of residential, community, and agriculture producer needs
- Programming to assist communities will continue in areas such as livestock management, soil health, water quality, mental health and social economics



Contact Information

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