



NM Cooperative Extension Service Tribal Extension Programs

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Indian Affairs Committee

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Cooperative Extension Service Overview

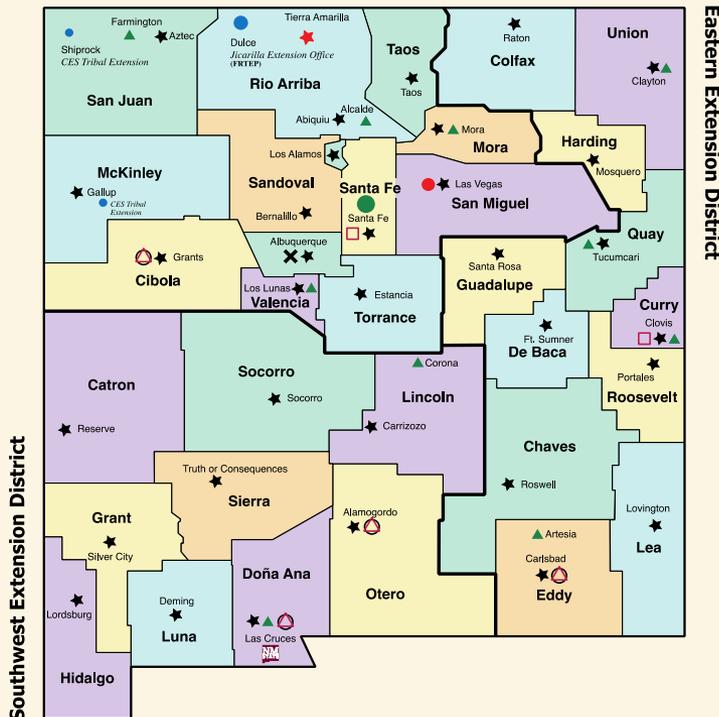
- Community education arm of New Mexico State University
- Unique federal, state, and county partnership enabled by the Smith-Lever Act of 1914 and constitutionally mandated in New Mexico in 1915
- Mission of CES is to *“provide the people of New Mexico with practical, research-based knowledge and programs to improve their quality of life”*

Cooperative Extension Service Overview

New Mexico State University



Northern Extension District



Facility Locations

- | | |
|---|--|
| ★ County Extension Offices | ○ NMSU Community Colleges |
| ★ County Extension Satellite Office | ✕ NMSU Albuquerque Center |
| ● Tribal Extension Offices | ● Santa Fe Ranch Demonstration Site |
| ● Federally Recognized Tribes Extension Program (FRTEP) | ● NMSU Main Campus |
| □ Cooperative Extension Service District Offices | ● Extension and Research Youth Agricultural Science Center |
| ▲ Agricultural Science and Research Centers | |

- 348 permanent faculty and staff
 - 221 Agents/Educators
 - 43 State Specialists
 - 84 Staff/Program Assistants
- 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

Cooperative Extension Service Overview

- CES faculty members are well connected with > 1,000 local agencies and organizations
- Extension faculty reach over 650,000 New Mexicans (~ 1/3 of the state's population) annually with non-formal educational programs that extend the knowledge of the land-grant university system
 - > 10,500 residents serve as volunteers
 - > \$18M of in-kind contributions

Cooperative Extension Service Overview

- Subjects of CES educational programs are the fabric of life
 - Social development of young people
 - Human nutrition and health
 - Environmental stewardship
 - Economic and community development

- Best known CES programs include
 - 4-H Youth Development
 - Agriculture and Natural Resources
 - Community Economic Development
 - Family and Consumer Sciences

Cooperative Extension Service Statewide Impact



- Agriculture is the cornerstone of the CES
 - Annually, thousands of New Mexicans access agricultural information from the CES
- CES information ranges from good agricultural practices for farmers and ranchers to urban horticulture shared through 1,000 Master Gardener volunteers
- CES shares knowledge in the areas of energy and water, farm and ranch, livestock and crops, natural resources, and yard and garden
- CES helped create 65 New Mexico farmers' markets
- CES is New Mexico's front line responder in natural and man-made emergencies in partnership with the NMDA
 - Extension agents help communities develop emergency plans, guard against agro-terrorism, respond to wildfires, and a full range of plant and animal diseases



Cooperative Extension Service Statewide Impact

- CES is about helping families have a quality life and thereby helping the economic development of the state
- CES reach ~200,000 citizens annually through community classes and workshops on nutrition, parenting, and physical fitness
 - > 55,000 New Mexicans participate in the CES Nutrition Education Program, which has improved participants' nutrition practices by 85%, improved diet quality by 75%, improved physical activity by 32%, and saved the state \$6.6 million in health-related expenses
 - Kitchen Creations is a cooking school in 57 locations giving 1,076 diabetic adults and their families diet ideas and suggestions for healthy living
 - Manage Your Chronic Disease (MYCD) Program empowers participants to better manage their chronic conditions and reduces their healthcare costs





Cooperative Extension Service Statewide Impact

- NM 4-H program prepares 64,134 young people (1 in 6 NM children ages 5 – 18) annually for the workforce by teaching critical life skills including leadership, management, and communication skills
- > 12,000 gained knowledge and skills related to STEM including biology, computers and electronics
- > 29,000 gained knowledge and skills related to healthy lifestyle choices including fitness, nutrition, safety and substance abuse prevention
 - 4-H youth are 2 times more likely to participate in STEM programs, half as likely to use drugs, and 4.9 times more likely to graduate from college



What is the mission of Tribal Extension?

- The mission of the New Mexico Tribal Extension Program is to develop and deliver community-based education programs that will revitalize agriculture, implement culturally appropriate youth leadership programs and strengthen the bonds between individuals, families and communities.
- Tribal Extension agents provide educational programs based on the needs of the local communities. Advisory boards made up of community members provide input and support for local programming.
- Education programs are designed to fortify and revitalize agricultural and natural resource practices, develop 4-H youth leadership opportunities and strengthen families through instruction in nutrition, health, parenting, money management and other family resources.
- Tribal cultures and language are incorporated in presentations whether designed for adults or young people.
- The Tribal Extension Program includes four program areas: Agriculture and Natural Resource Management; Youth Education; Community Resource, Economic, and Leadership Development; and Strengthening Families through Education in Health, Nutrition, and Family Resource Management.

NMSU Tribal Extension - Shiprock

- Kitchen Creations Diabetic Cooking School: participants gained knowledge in reading nutrition labels, sugar substitutes, appropriate portion sizes, how to count carbohydrate, meal planning and how to prepare meals that are low in fat, sodium and carbohydrate.
- The Shiprock office, the home ec agent incorporates Navajo culture within the 4-H projects, school enrichment, competition, workshops, outreach, record books, and anything related to youth programming.



Canning in Shiprock

Food preservation workshops are taught to meet increased interest in home canning. The classes are held during the weekday in the evening, to serve individuals who work during the day. Skill levels ranged from those who had never canned before to those who have previously canned years ago but needed a refresher course.



NMSU Tribal Extension - Crownpoint

Sheep Shearing has been a growing program as sheep are a valuable and sacred to the Navajo culture. Today, many Navajo elders have flocks of sheep yet the youth are not involved in managing sheep. Therefore, the agent provides an educational program demonstrating sheep shearing techniques at hands on workshops at various locations on the Navajo Reservation and the Pueblo of Zuni. Community members learned how to shear sheep with both hand shearers and electric shearers.



Traditional Weaving 4-H Style

- Finger Weaving is great teaching platform for the youth to develop their culture identity along with Lego Robotics, Rocketry and Braiding programs are all equally a great form of delivery for the youth to develop critically thinking skills and self-identity.
- The agent provides programs demonstrating basic weaving techniques, oral history of weaving and Navajo culture.
- The agents have developed a weaving project with hands on videos being piloted this year for 4-H.



Federally-Recognized Tribal Extension Program

- The goal of the Zuni and Jicarilla Federally-Recognized Tribes Extension Programs (FRTEP) is to improve family welfare and the quality of life on the Zuni and Jicarilla Reservations by increasing economic opportunity, enhancing natural resource stewardship and promoting healthy lifestyles.

NMSU – Jicarilla Extension

- The Jicarilla Beef Project provides the opportunity for Jicarilla producers to increase profits by participating in a labeling program. Under Labatt Food Service the local cattle producers can get a premium for their beef.
- Horse Health presentations are conducted regularly and those in attendance learn: body condition scoring, proper feeding and overall horse care. The agent also conducts youth horse clinics on horse care and what it takes to care for a horse and how much time is needed.
- The agent has been working closely with the tribal council on a buffalo project and it is currently being review by the Cultural Committee.
- The agent is working with Dulce High School on “Suicide Prevention, Substance Abuse Prevention and Bullying Prevention”. The agent utilizes a horse as a teaching model. There was an emphasis on the need for communication among youth and adults in order to prevent these occurrences. There was also an emphasis on the need for youth to get involved in helping other youth and identifying youth that may be involved or potentially involved in this behavior.

NMSU – Zuni Extension

- The goal of the Zuni HS Senior Entrepreneurship and Business Development (ZHS-E/BD) is to prepare Zuni HS seniors to successfully start and manage a business in the Zuni community.
- The students receive over 40 hours in classroom and community-based training in market research, financial analysis and strategic planning in preparation to developing a business plan for a business of their choice. To facilitate the students' opportunities to start a business in Zuni, the ZHS-E/BD program is working closely with the Zuni Main Street Program to develop a business incubator to house 3-5 student businesses.
- 4-H is still active on the reservation with members participating in baking, canning, ceramics (traditional pottery), shooting sports and braiding. 4-H School Enrichment programs include the following – gardening, small enterprise development, nutrition and health. These programs were conducted in elementary schools and high school with the help of teachers, community members and state extension specialist

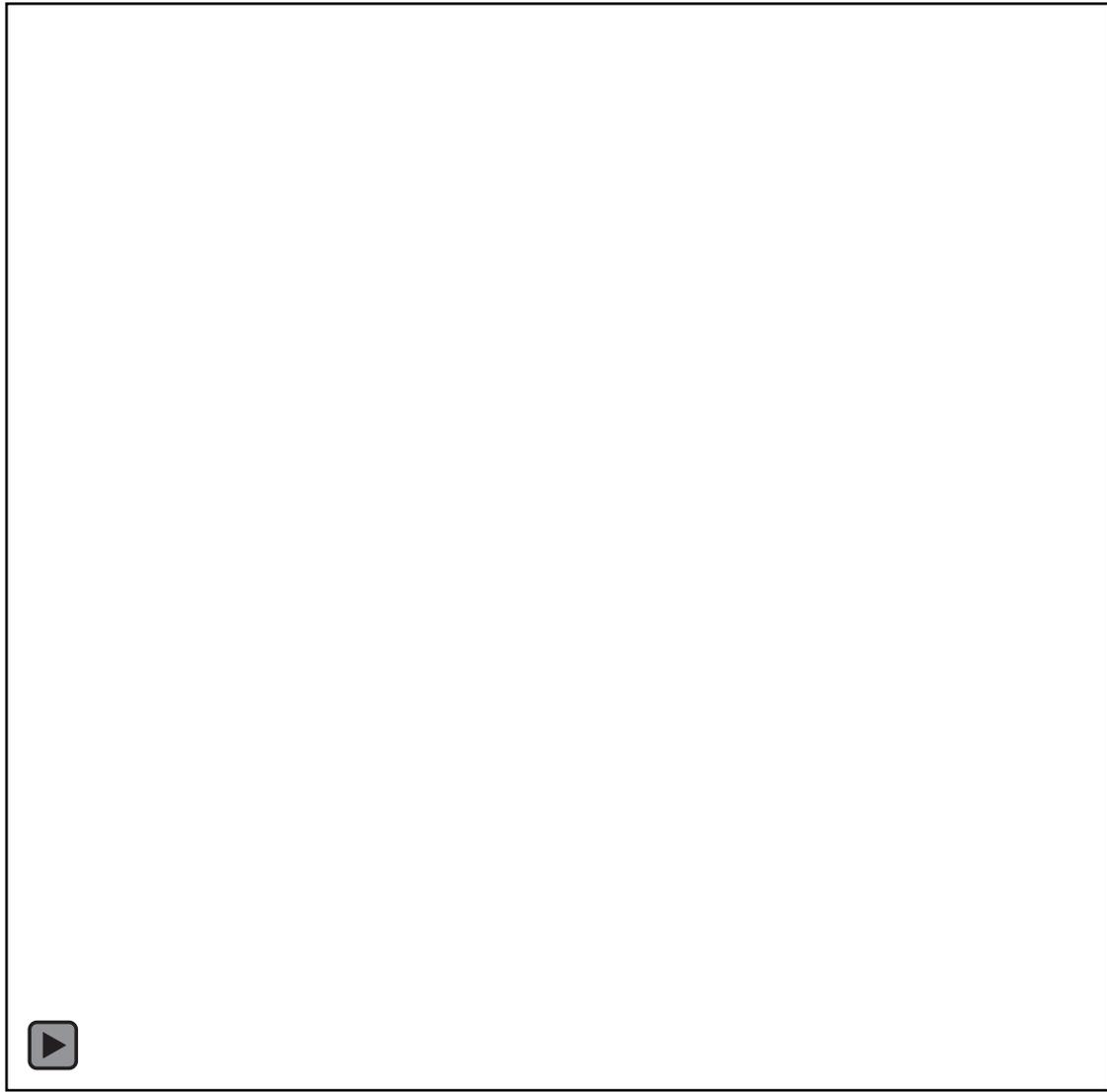
Zuni Community Gardens

There's a large interest in establishing community gardens on various locations in Zuni.

These gardens are being setup at the WIC office and community members are able to assist in planning and the care of the gardens and receive the reward at harvest time.

Hoop House green houses have been constructed in two locations.





CES RURAL AGRICULTURAL IMPROVEMENT AND PUBLIC AFFAIRS PROJECT (RAIPAP)

Our Mission:

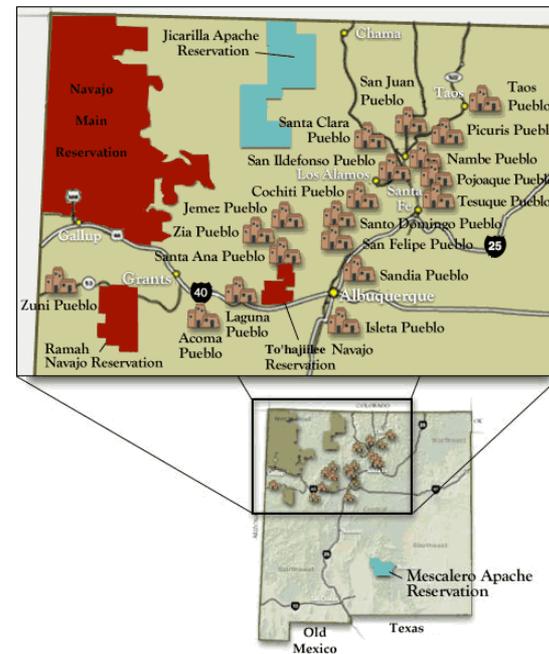
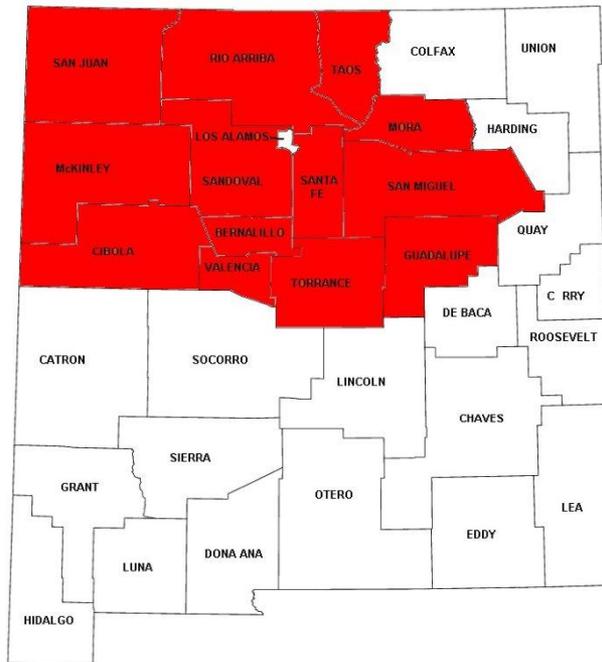
To accelerate extension education and sustainable agriculture research in Northern New Mexico through:

- Small Business Development
- Leadership and Organizational Development
- Value Added Agriculture
- Sustainable Agriculture

SUSTAINABLE AGRICULTURE SCIENCE CENTER AT ALCALDE



NMSU CES Small Farm and Ranch Task Force Region



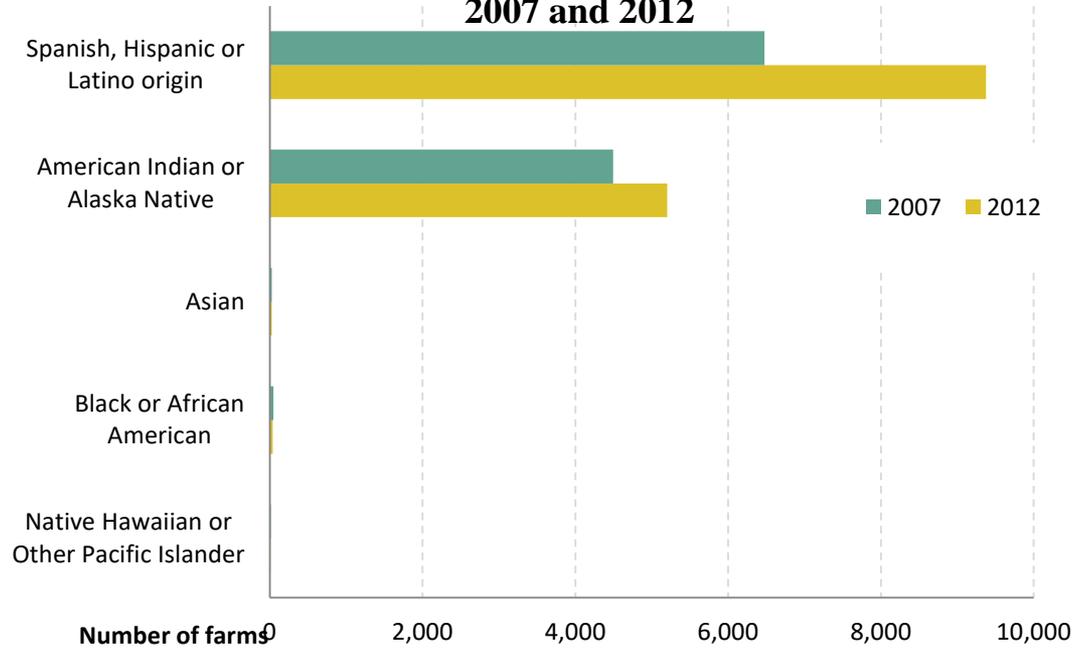
NMSU CES EFFERTS TO PROVIDE OUTREACH AND EXTENSION PROGRAMS AT THE SOUTHERN AND NORTHERN PUEBLOS

- 11 Funded USDA OAO OASDFRP: Northern New Mexico Outreach Projects (2001 through 2015, submitted for 2017)
- 3 Funded USDA Risk Management Outreach Grants
- 2 Funded USDA NIFA Beginning Farmer and Rancher Grants: NM Pueblo Beginning Farmer and Rancher Project (Current)
- Over \$10,000,000 funded through these grants for outreach and extension programs directed at NM Pueblos

USDA CENSUS OF AGRICULTURE 2007, 2012, 2017



**Farms by Race and Ethnic Origin of Principal Operator,
2007 and 2012**



BEEF CATTLE PREGNANCY TESTING WORKSHOPS



BEEF QUALITY ASSURANCE TRAINING



PUEBLO SHEEP HEALTH AND WOOL MARKTING PROGRAM



BEEF CATTLE HERD HEALTH PROGRAM



FORAGE VARIETY DEMONSTRATION AND PRODUCTION PROGRAMS



HOOPHOUSE CONSTRUCTION AND PRODUCTION



FARM AND RANCH RECORDKEEPING WORKSHOPS



ONE-ON-ONE FARM AND RANCH VISITS



Questions

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