



College of Agricultural, Consumer and Environmental Sciences

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APPROPRIATIONS

FY19 Actual: \$12,791,600
FY20 Request: \$12,791,600

ACES Pillars for Economic and Community Development



New Mexico Cooperative Extension Service

The mission of the **New Mexico Cooperative Extension Service (CES)** is to deliver practical, research-based knowledge and programs that improve New Mexicans' quality of life. A part of NMSU's College of Agricultural, Consumer and Environmental Sciences, CES is a unique federal, state, and county partnership. CES has staff in all 33 counties and many Tribal areas in New Mexico, and collaborates with over 1,000 organizations, state and federal agencies, other universities, and 10,000 volunteers. Extension leverages federal appropriations at a rate of \$9.66 for every \$1.00 received.

Every year, Extension faculty reach over 650,000 New Mexicans—more than one-third of the state's population—who benefit from wide-ranging CES educational programs in areas such as economic and community development, human nutrition, agriculture, environmental stewardship, and family and child development.

Extension programs grow New Mexico:

Extension helps create tomorrow's leaders

Extension's EDGE program encourages better government through education, and has provided certification programs to 488 elected public officials. The 4-H leadership team experience empowers teens with knowledge, skills, and training necessary to become effective community leaders.

Extension helps build job security

Extension and its partners built a strategic plan to boost resilience in New Mexico agriculture, which employs 50,000 New Mexicans and generates \$10 billion in economic impacts. Extension programs also help citizens with troubled pasts develop job search skills needed to obtain gainful employment.

Extension helps communities manage resources

Extension serves as a responder to natural and human-caused emergencies, helping communities develop emergency plans, guard against agro-terrorism, and respond to a host of plant and animal diseases. Extension provides training in water resource planning and conservation to communities statewide.

Extension teaches youth

One in six New Mexico youth ages 8-18 are taught important life skills like critical thinking and communication. Over 12,000 gain STEM education and skills in areas like biology, computers, and electronics. Additionally, 29,000 gain knowledge and skills related to healthy lifestyle choices, including fitness, nutrition, safety, and substance abuse prevention.

Extension encourages family well-being

Extension conducts health fairs in rural communities, providing screenings and prevention not available to residents. Nurturing parenting, strengthening families, family wellness, and incarcerated fathers programs build healthy family relationships and teach life and parenting skills.

The College of Agricultural, Consumer and Environmental Sciences is an engine for economic and community development in New Mexico, improving the lives of New Mexicans through academic, research, and Extension programs.

Impacts for Selected CES Programs for FY16–FY17



- Studies show that youth involved in 4-H are half as likely to engage in risky behaviors. With over 60,000 youth involved in the **NM 4-H Program** annually, the state saves significant money through prevention/intervention programs, and our youth stay safe and healthy.
- Through **Tribal Extension** efforts, youth are taught the art of weaving which is of cultural importance to the people of the Navajo Nation. Youth are able to take fiber to fabric while learning why sheep are important, how to card and spin wool, how dye is made, and how to use the tools for weaving. Classes have been taught to three groups in Navajo which helps to preserve the native language as well as increasing motor skills, strengthening memory and concentration and developing confidence.
- Over 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.
- The **Manage Your Chronic Disease (MyCD) Program** is delivered to adults of all ages who are living with one or more chronic conditions that require daily self-management. MyCD empowers participants to better manage their chronic conditions and has been shown to reduce healthcare costs for participants. MyCD has reached 116 participants, saving an estimated \$82,824 in healthcare costs.
- **Forage Research and Extension Programs** have helped New Mexico producers increase profitability by reducing fertilizer and seed costs by 25%, reducing water use by 30%, and increasing yields by 10%.
- The **Rural Agricultural Improvement and Public Affairs Project (RAIPAP)** provides educational programs on sustainable agriculture to Native American and Hispanic producers in Northern New Mexico. Cattle producers that participated in the range management educational program experienced a 25% increase in ranch income.
- The **Pesticide Safety Education Program** reaches over 500 individuals annually. Training and recertifying licensed pesticide applicators—with an average annual salary of \$34,570—has contributed over \$17 million to New Mexico's economy.
- The **Master Gardener Program** trains and certifies around 300 new Master Gardeners each year. On average, 1,200 Master Gardeners provide over 61,000 hours of community education and service—worth over \$1.2 million. The Master Gardener Program donates over \$75,000 of locally grown produce to food banks each year.
- **Extension Specialty Crop Demonstration Programs** provided alternative high-value cash crops for small-scale producers, increasing annual farm income by 10–20%.
- Through the **CES Beginning Farmer & Rancher Program**:
 - 45% of participants utilized new strategies to improve soil fertility, increasing crop yields by 20% and adding up to \$4,000 in income per farm.
 - 25% of participants adopted integrated pest management strategies that reduced crop loss by 28%, saving \$18,000 per farm.

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