

Adding up to Big Returns for New Mexico

Cooperative Extension Service and the Agricultural Experiment Station are:

1. Part of NMSU, but funded through Research and Public Service budget lines that are not provided tuition credit – consequently, they were rescinded in FY '09 and took an additional 6.5% cut in FY'10;
2. Inextricably linked in the research and development process for New Mexico;
3. Go-to agencies for meeting the challenges of the state in a cost-effective way;
4. Work with more than **800 agencies** and organizations to implement their work;
5. **436 students** are employed by AES and CES (1 out of every 5 of our majors);
6. Cuts in state appropriations impact ability to match federal appropriations for extraordinary levels of service to New Mexico's residents.

Agricultural Experiment Station (AES)

Funding sources – FY 2009

47% (\$16 million)	State appropriations
47% (\$16 million)	Grants, contracts and other
6% (\$2 million)	Federal appropriations

Matching dollars

\$2.5 million in AES appropriations is used to meet matching requirements for grants, bringing outside resources to bear on New Mexico's needs.

Teaching

State AES appropriations enable joint/teaching research positions, so that:

28 NMSU teaching positions are shared among

66 AES research faculty members allowing us to teach more than **1,700 undergraduates** and **280**

graduate students in 21 major fields of study of which **15** are taught nowhere else in New Mexico. In addition, **436 students** are supported by research and development funds while in school. College graduates earn **\$7,000 per year** more over a 40-year career. A 5% increase in college graduates in the state would improve median family income in the state to \$40,000.

Cooperative Extension Service (CES)

Funding sources –FY 2009

31% (\$13.8 million)	State appropriations
57% (\$25 million)	Grants and contracts
12% (\$5 million)	Federal and county appropriations

Volunteer time

Volunteers deliver programs resulting in a conservatively figured

\$3,285,084 in volunteer time value in 2008

Program return on investment

3 to 1 return for every dollar from state tax payers

Some of the Programs Delivered

- Extension fills the health care gap with programs like the Kitchen Creations diabetes cooking schools teach how to manage diabetes and reduce risks of complications. Such prevention has been shown to **save \$10 in health costs** for every dollar expended.

- As the youth development program of CES, 4-H programs reach **70,000 youth ages 5-19**. Of these, **48,500 young people** gained knowledge and skills related to Healthy Lifestyle Choices including fitness, nutrition, safety and substance abuse prevention; **27,800 youth** gained knowledge and skills related to agriculture, including animal science and horticulture; and **16,200 youth** gained knowledge and skills related to Science and Technology including biology, computers and electronics. **7,000 young people** are contributing members of society through their service-learning and citizenship projects. Members average three hours of service per year for a total of over **21,000 hours of community service**.
- 4-H programming is made possible through the training and leadership of **10,400 adult volunteers**. Volunteers contribute an average of 10 hours per year, at the hourly value of \$16.40 this is a contribution of over **\$1,705,600** to New Mexico communities.
- **760 Extension Master Gardeners** from 15 counties contributed an estimated **30,400 hours of volunteer time**.
- Extension Offices statewide addresses more than **35,000 calls** and over **33,000 walk-in requests** for help each year. Extension makes client contacts equal to **1/3 of the state's population**.
- Subsurface irrigation designed by NMSU and installed on 10 acres of sports fields saved more than **16 million gallons** of potable water annually, valued at **\$30,000**.
- CES and AES developed the Southern Great Plains Dairy Consortium to give one of New Mexico's biggest agricultural industries and New Mexico students access to **11 universities' dairy resources**.
- Cattle fertility genomic project will potentially increase beef and dairy profits by **\$10 million** by improving overall fertility of cattle herds in New Mexico.
- Stocker cattle research feeding distiller byproducts results in **\$10 profit per calf** which will equate to a **\$4 to 5 million** increase in beef industry revenue.
- Sixteen Extension offices provide Kids, Kows and More agricultural awareness programs and Farm Safety Day Camps in urban and rural classrooms exposing over **12,000** children to the world of agriculture.
- Without AES supported research in integrated pest management, chile yields could be reduced 50 to 90%, cotton production would be unprofitable, and pecan production would not have achieved the highest yields per acre in the country.
- **\$900,000** investment in AES alfalfa variety trials research results in **3.38 tons per acre** yield increase resulting in **\$11 million per year** if only 10% of growers adopt the recommendation and **\$26 million** if 65% adoption is achieved.
- **\$700,000** investment in pecan irrigation scheduling AES research results in **565 lbs. per acre** yield increase resulting in **\$22 million per year**.
- The power of positive parenting is extended through the Strengthening Families Initiative, which offers nurturing parenting classes, including those for incarcerated fathers, and family wellness training to strengthen relationships in the family circle.
- Extension's suicide prevention education programs for teens and parents have been shown to change behaviors leading to more parent/child conversation.
- More than **3,000 New Mexicans** died of cancer last year, a problem being addressed by research into medicinal plants.
- Extension is on the front line of emergency situations brought on by nature or man. Agents help develop agricultural emergency plans, guard against agro-terrorism and respond to African bees, West Nile virus, and a range of other plant and animal diseases. The FDA and USDA turn to AES and CES to assess and implement ways to prevent the distribution of contaminated foods to the population by work in labs, on the border and on our farms.
- The National Certified Public Manager program is delivered by CES to New Mexico public officials and employees. More than **200 students** from county governments now regularly take classes toward certifications as a means of achieving "Better Government through Education."
- New Mexico Works program is implemented by CES in field offices serving three-quarters of the state, placing clients in **3,000 to 4,000 jobs** annually and helping to ensure the continuation of well over **\$104 million** in federal assistance to New Mexicans annually.