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# Agricultural Experiment Station

## ACES Research

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Economic & Rural Development

Legislative Finance Committee Update
Santa Fe, NM
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# The College of Agricultural, Consumer, and Environmental Sciences

The ACES College is an engine for economic and community development in New Mexico, improving the lives of New Mexicans through research, teaching, and extension.

# The Agricultural Experiment Station

The NMSU Agricultural Experiment Station supports research that is addressing real-world problems. Research is at the core of NMSU's mission to improve the lives of people globally.

The Agricultural Experiment Station supports research designed to:

- Enhance agricultural profitability.
- Stimulate economic development using natural resources.
- Improve the quality, safety, and reliability of food and fiber products.
- Sustain and protect the environment with ecologically sound practices.
- Manage and protect natural resources.
- Improve the quality of life for the people of New Mexico.

# AES System

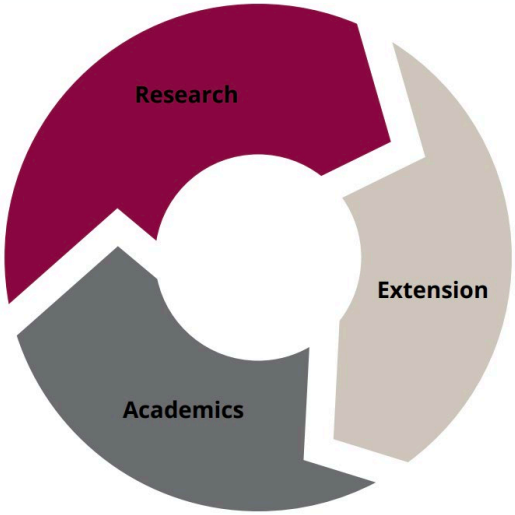
The Agricultural Experiment Station was created by the Federal Hatch Act of 1887 to research problems and find solutions to improve the lives and livelihoods of citizens.

In 1915, New Mexico constitutionally mandated AES under Article X, section 11 of the state constitution

The Agricultural Experiment Station (AES) is the principal research unit for the NMSU College of Agricultural, Consumer, and Environmental Sciences.

- All research faculty in the College have appointments in AES
- There are 365 FTE faculty and staff associated with AES.
- AES has 12 agricultural science centers around the state. Each of the science centers plays an integral role in supporting research that benefits New Mexicans.

# Land-Grant University / ACES Research

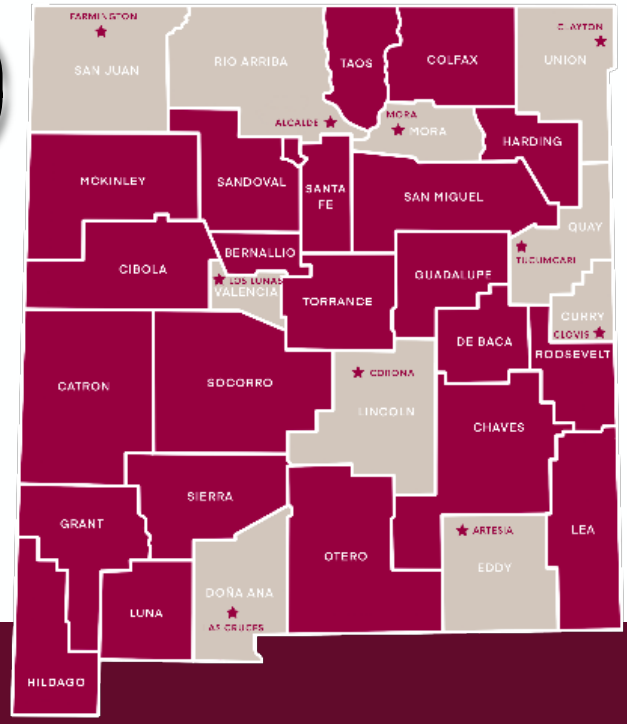



**Academic / Research Departments**

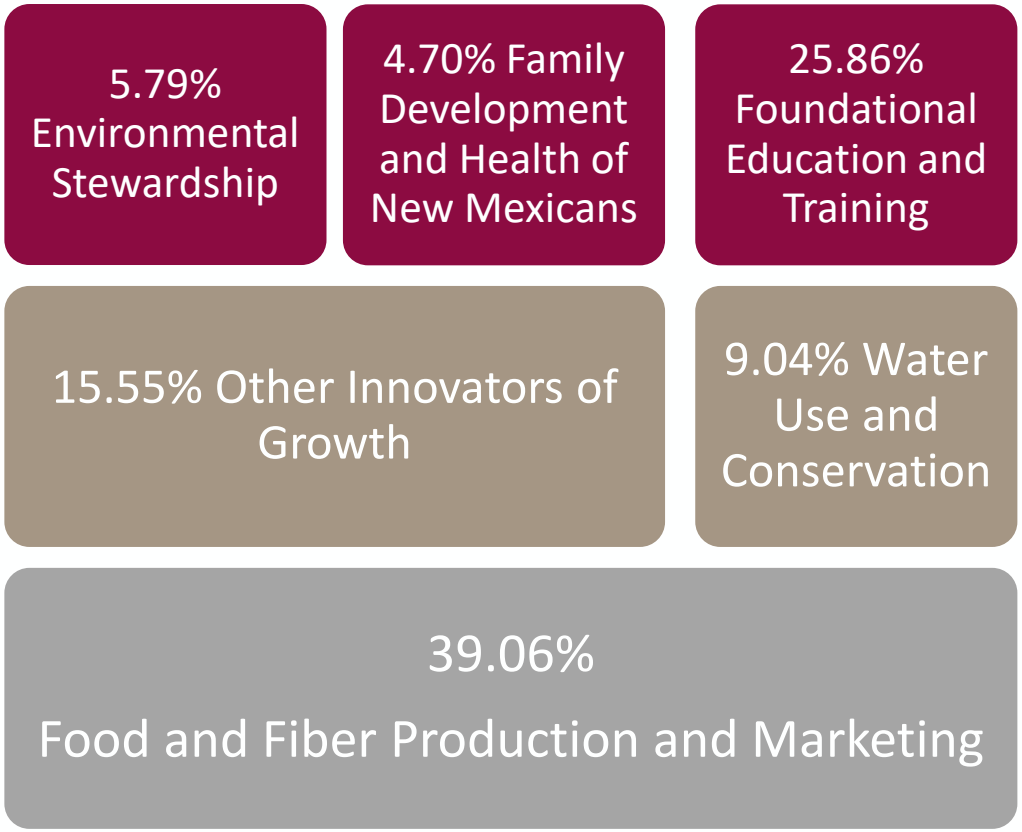
- Agricultural and Extension Education
- Agricultural Economics & Agricultural Business
- Animal & Range Science
- Entomology, Plant Pathology, & Weed Science
- Family & Consumer Sciences
- Fish, Wildlife & Conservation Ecology
- Plant & Environmental Sciences
- Hotel, Restaurant, & Tourism Management

**Agricultural Science Centers**

- Alcade Sustainable Agriculture Science Center
- Artesia Agricultural Science Center
- Chihuahuan Desert Rangeland Research Center
- Clayton Livestock Research Center
- Clovis Agricultural Science Center
- Corona Range and Livestock Research Center
- Fabian Garcia Research Center
- Farmington Agricultural Science Center
- Leyendecker Plant Science Center
- Los Lunas Agricultural Science Center
- Mora John T. Harrington Forestry Research Center
- Tucumcari Agricultural Science Center



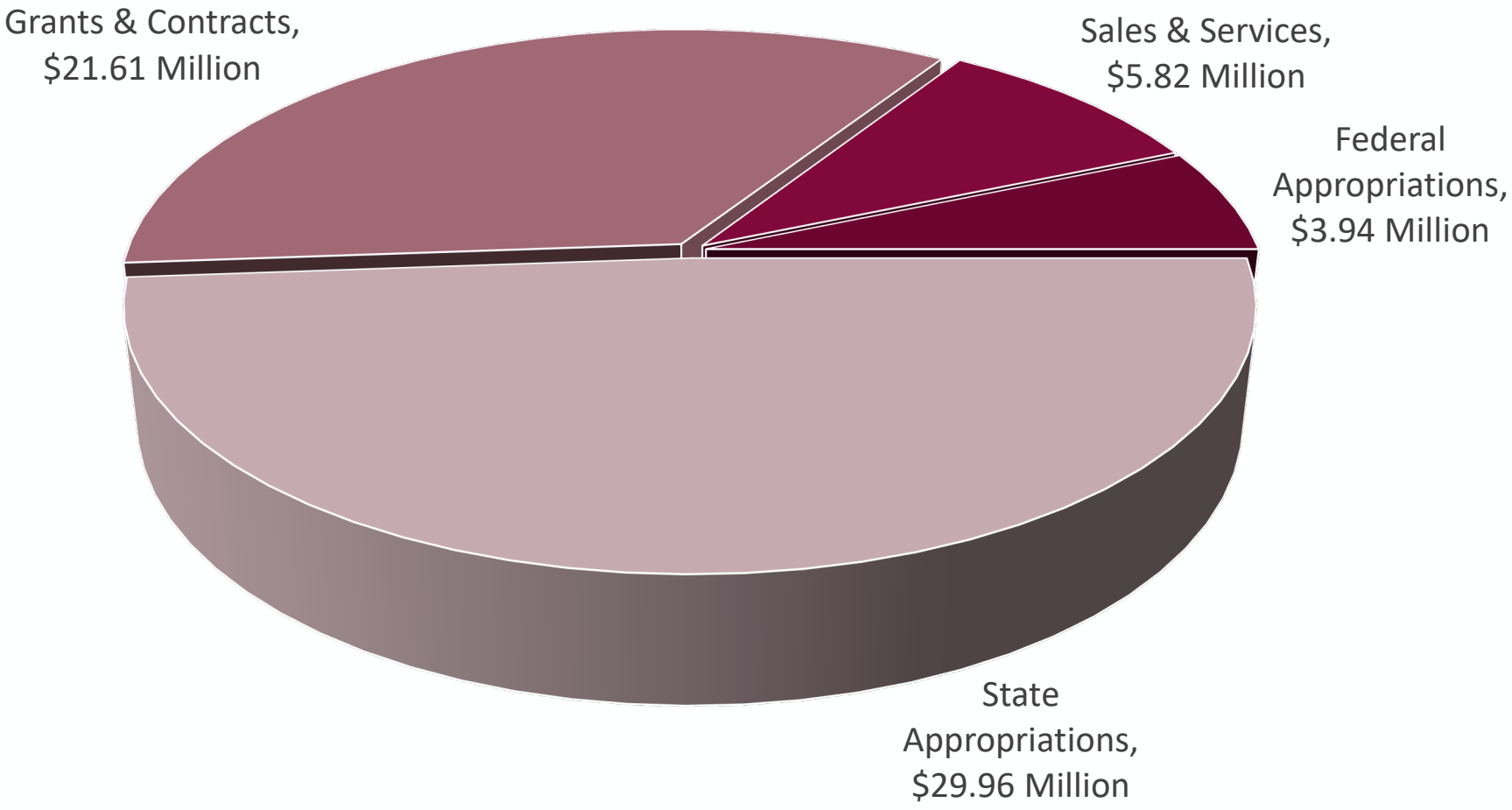
# AES 2022 Impact Analysis




Source: Sarah Harris, AXED GA

Pursuing initiatives to contribute sustainable, innovative, resilient agricultural production and conservation practices while disseminating mission-critical information to the general public, stakeholders, and national and international audiences.

# AES FY23 Operating Revenue



# AES Position Updates

## FY23 Funded Position

- Wildlife Disease Ecologist (FWCE) – Obed Hernandez Gomez hired starting January 2024.

## FY24 Funded Positions

Forest Tree Ecophysiology Faculty located at Mora ASC.

Hydrology and Water Resources Faculty located at Artesia ASC.

Integrated Renewable Energy and Agricultural Natural Resources Faculty located at Farmington ASC.

Weather Station/Climate Faculty located on main campus.

# FY25 Legislative Request

**FY24 AES Actual**: **$19,388,900**

**FY25 AES Request: $20,788,900**

**Increase: $1,400,000**

- **Water Optimization and Reuse Professor:** Research water optimization and reuse within the food and fiber supply chain. Subject areas include water use efficiency, waste reduction, food system resilience, and sustainability.
- **Big Data Science in Natural Resources and Ag Professor**: Research big data science within the food and fiber supply chain, including complex issues related to New Mexico's natural resources and agriculture.
- **Climate Smart Agriculture Professor**: Research climate-smart agriculture, increasing productivity and profitability, adapting to changing climates, and reducing greenhouse gas emissions.
- **Two Research Scientists:** Positions support revegetation efforts and the NM Seed Certification Program. These positions will be strategically placed at Agricultural Science Centers and have statewide responsibilities.
- **10% Operations Increase**: AES has met the needs of New Mexicans for 134 years and responded to new emerging research opportunities. A 10% increase in operations will support resources for AES to continue to meet the needs of agricultural producers statewide.

# Contact Information

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