

College of Agricultural, Consumer and Environmental Sciences

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New Mexico State University
aces.nmsu.edu



New Mexico State University Agricultural Experiment Station

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Associate Dean and Director
Legislative Finance Committee
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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.

Agricultural Experiment Station

- The NMSU AES System - the largest landholding land-grant university in the nation - supports fundamental and applied science and technology research to benefit New Mexico's citizens in economic, social, and cultural aspects of agriculture, natural resource management, and family issues.
- AES was created by the federal Hatch Act of 1887 and was constitutionally mandated in New Mexico in 1915

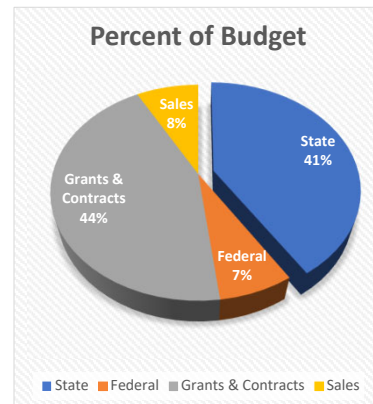
AES Continuation Request

FY21 - \$14,542,700
FY22 - \$14,542,700
Change - \$0



Agricultural Experiment Station Budget

- Total FY21 AES budget = \$36.4 million (70% of budget is personnel service costs)
- State appropriations (\$14,792,700) constitute approximately 41% of the overall budget
- State's investment in AES is matched more than 1:1 through Federal appropriations, grants and contracts, and sales
- 2020 Reductions = 8 faculty & 9 staff positions and operations by about \$190K (slide 4 long version)



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Strategic Planning & Research Priorities

(slides 5 & 6 long version)

The AES system and every ASC has an updated strategic plan used to guide research.

Key Points:

- These strategic plans help focus and revisit the vision of each science center. The plans are focused on updated research priorities for each community.
- Each plan includes points that will evaluate each center's value and provides metrics for assessment.
- The overall strategic planning includes a vision for boosting utilization of all the agricultural science centers and the value each center provides to New Mexico communities.

Future research will focus on areas of importance outlined in NMSU LEADS 2025, the NM Governor's economic development initiatives, and the US Department of Agriculture Ag Innovation Agenda.

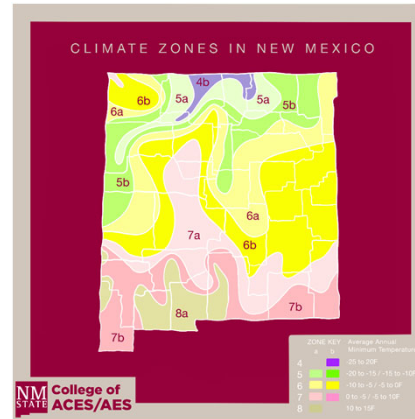


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Off-Campus and On-Campus Research

(slide 7 long version)

The 12 agricultural science centers (ASCs) are located strategically around the state. These ASCs and on-campus departments provide value to their communities, and they work together to advance the agricultural industry in New Mexico. **The ASCs support research under New Mexico's varied environmental conditions (soil types, elevation, growing season, water, etc.) to meet the agricultural and natural resource management needs of communities in every part of the state.**



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ASCs Address Diverse Agricultural Needs Statewide

(slides 8 & 10-17 long version)

- New Mexico is the 5th largest state in the country by area
- Land varies greatly in geography, climate, water resources, vegetation, soils, pests, land ownership, and land use
 - NM has 11 of the USDA's plant hardiness zones
 - NM has 3 crop production regions (only CA has as many)
 - NM has 5 USGS-defined watersheds (no other state has as many)
 - NM has 126 distinct soil types
- AES challenges, opportunities, and ASC specifics are detailed in handout slides 10-17.

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AES COVID-19 Response (slide 9 long version)

- AES faculty are part of an NMSU Corona Virus Lab testing center (public/private venture) with the NM State Department of Health, the NMSU campus, and TriCore. This venture is supported by state funding through an approved Memorandum of Understanding (MOU).
- **Whenever possible, AES faculty and ASCs try to recover food crops left from research trials and distribute them within their communities. This has assisted some of our most devastated food deserts in the state.**
- AES faculty are connecting with Sandia National Laboratory to collaborate and address food-related issues.
- Agricultural Science Centers hosted 3 virtual field days: Tucumcari, Los Lunas and Farmington. In addition, advisory board meetings were transitioned virtually in response to keep constituents involved in ongoing research.



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Thank you!

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