

Agricultural Science Center at Clovis

BE BOLD. Shape the Future.
College of Agricultural, Consumer
and Environmental Sciences



The NMSU Agricultural Science Center at Clovis is centrally located in the largest crop production area of New Mexico and is uniquely qualified to conduct agricultural research and producer outreach (Extension) activities aimed at efficiently managing the area's limited water resources and increasing the economic viability and sustainability of agricultural production. It is the only research center focusing on sustaining the Ogallala Aquifer in the state. The efforts to address current challenges faced by reduced irrigation or dryland agriculture and preparing for future challenges will be extremely important as temperatures continue to rise and water becomes more limited.

FOCUS ON THE COMMUNITY

This center plays a major role in connecting the rural agricultural producers in this region with expertise for more efficient and higher yield farming practices.

In 2019, the ASC at Clovis hosted multiple community outreach events to inform industry partners, youth, and local farmers about various projects and their results.

With over 24 external collaborations and/or partnerships, the ASC Clovis is focused on creating lasting connections to ensure an agricultural future in Eastern NM. These partners include other universities, both in and out-of-state, federal agencies, and private industry partners with an interest in cutting edge research.



Only peanut breeding center located off-campus and developing Valencia peanuts.



Research focuses on supporting Ogallala Aquifer, which supports **30% of agriculture in the U.S.**



6 ongoing multi-state projects, which connect the ASC Clovis scientists across the country to undertake regional and national challenges.



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ACES Pillars for Economic and Community Development

Food and Fiber Production and Marketing

Water Use and Conservation

Family Development and Health of New Mexicans

Environmental Stewardship

Foundational Education and Training

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. New Mexico State University is an affirmative action/equal opportunity employer and educator. NMSU and the U.S. Department of Agriculture cooperating.

2019 IMPACTS

Improved efficiency and profitability in dryland/limited irrigation cropping systems. **This could increase water use efficiency up to 25% and improve soil health indicators up to 17%.**

Roundup resistant red root pigweed is becoming troublesome for corn producers. Early results show that by using practices identified at the ASC Clovis, **corn yield losses due to pigweed were reduced by 90%.**

ONGOING RESEARCH

- Developing low-water use, stress-tolerant alternative crops for New Mexico, specifically guar and canola.
- Assessing irrigation management strategies to reduce water use with minimum effect of crop productivity.
- Working on novel cropping systems to improve efficiency of water cycle and other ecosystem services, which benefits agriculture, the environment, water conservation, and air quality.
- Conducting variety trials in corn, sorghum and small grain grown under dryland and irrigated conditions.
- Linking soil health to sustainable crop production and environmental quality.
- Studying weed management in corn, sorghum, and small grain.



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New Mexico State University

2346 State Road 288

Clovis, NM 88101

Phone: 575-985-2292

Email: clovis@nmsu.edu

Web: clovissc.nmsu.edu

New Mexico State University Agricultural Experiment Station