



Agricultural Science Center at Tucumcari

Our mission is to research and develop better management practices for forage and livestock systems on irrigated lands in New Mexico and to evaluate innovative cropping practices for adaptation to the local area.



NMSU photo by Alec Richards

Selected Impacts of Past Activities

- Research at ASC–Tucumcari demonstrated that if 5% of small grain and sorghum forage growers plant legumes with their annual grasses for hay, it could lead to an increase in revenues of approximately \$750,000 per year.
- For more than half a century, beef producers throughout the Southwest have participated in the Tucumcari Bull Test. The program's herd and feed use efficiency improvements have led to an estimated value to affected producers exceeding \$800,000 annually.
- Statewide alfalfa variety testing coordinated through ASC–Tucumcari has shown that if 5% of alfalfa producers make appropriate variety selections, the return could be at least \$2.7 million annually.

- Many landscape plants, including desert willow, Chinese pistache, lacebark elm, Arizona cypress, and numerous species of arborvitae, juniper, and pine, were evaluated at ASC–Tucumcari over the past century to improve the quality of life throughout New Mexico.

Future Goals

- Study the economic and environmental impacts of recycling treated municipal wastewater for agricultural irrigation.
- Address rangeland sustainability needs in northeastern/east-central New Mexico.
- Expand programs to evaluate minimum input, small farms options.
- Initiate research on precision agriculture practices for crop and pasture production.

Partners

- City of Tucumcari
- Tucumcari Municipal Schools
- Canadian River Soil and Water Conservation District
- Natural Resources Conservation Service, Tucumcari Field Office
- Natural Resources Conservation Service, Plant Materials Center at Los Lunas
- Quay County Cotton Boll Weevil Control District
- Arch Hurley Conservancy District
- New Mexico Beef Cattle Performance Association
- Faculty at the University of Padova, Legnaro, Padova, Italy
- Faculty at Universidad Autónoma de Baja California, México
- Faculty at the University of Agriculture, Faisalabad, Pakistan

New Mexico State University – Agricultural Experiment Station System

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