

Andrew Garnett
Chaves County Agricultural Agent
New Mexico Cooperative Extension Services
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Education:

- **Master of Science**, New Mexico State University: Department of Entomology, Plant Pathology and Weed Science, Summer 2014.
 - “Cotton Bollworm, *Helioverpa zea*, and Beet Armyworm, *Spodoptera exigua*, Development and Survival on Acala Glanded and Glandless cotton in New Mexico.”
- **Bachelor of Science**, New Mexico State University: Department of Entomology, Plant Pathology and Weed Science with an emphasis in Pest Management. May 2011

Employment Experience:

- **NMSU Agricultural Extension Agent 2021-Present**
 - Hosting and organizing educational workshops to provide information services for farmers, ranchers, community organizations and youth.
 - Public outreach through presentations on local media and in person.
 - Working with individual producers to solve agricultural problems.
 - Working with homeowners and landscapers to solve urban horticulture issues.
 - Associate Professor - 4-H Youth Interim Agent 2023
- **WDW Horticulture Pest Mgmt. Planned Work Specialist: 2017-2021.**
 - Scouting for pests throughout Walt Disney World properties; devising and assigning corrective maintenance for up to 17 technicians.
 - Coordinating inter-departmental management strategies within Disney and outside contractors.
 - Designing and implementing biocontrol measures throughout Disney World properties.
 - New hire and recertification training for gardener specialist and pest control technicians.
- **WDW Horticulture Pest Management Technician: 2016-2017.**
 - Handling, mixing, and applying pesticide in accordance to labels in both lawn and ornamental and agricultural treatments.
 - Releasing beneficial insects for control of pest insects.
 - Communicate with other departments and leadership regarding treatments.
- **Ruskin Christian School Science Teacher: 2014-2016.**
 - Designed curriculum, assignments, tests, and labs for six separate courses.
 - 7th Grade Life Science, 8th Grade Earth and Space Science, 9th Grade Physical Science, 10th Grade Biology I, 11th & 12th Grade Biology II (14-15), and Chemistry (15-16)
- **Masters Research Experience 2011-2014:**
 - Rearing beet armyworm and cotton bollworm for research.
 - Bioassays of these insects for preference and development on glanded and glandless cotton.

- Sampling field insect damage and insect collections.
- Managing and training high school interns and assigning daily work.
- Statistical analysis using JMP statistical software and professional presentation of research findings.
- **Chile Pepper Institute Greenhouse and Field Technician: 2010-2011.**
 - Chile Breeding Institute greenhouse management for research and breeding.
 - Harvesting seed for resale, replanting, and storage for future breeding projects.
 - Scouting greenhouse for insect pests and applying insecticidal oils or soaps as needed.
- **EPCOT Science Professional Internship in Entomology: 2009-2010.**
 - Rearing the beneficial parasitoid wasp (*Opius disitus*) and its host pest.
 - Scouting greenhouses for pests, recommending, and prescribing treatments as needed.
 - Presenting daily unscripted backstage walking tours of greenhouses for guests on agriculture.
- **NMSU Remote Sensing Laboratory, Laboratory Technician: 2008-2009.**
 - Downloading satellite imagery of topographical layouts of water, vegetation, erosion, and general layouts for a wide range of research projects.
 - Organization and maintenance of data.
- **NMSU Dr. David Thompson Quarantine Laboratory, Laboratory Technician: 2006-2007.**
 - Rearing of biological control agents to control salt cedar trees in a quarantine laboratory.
 - Cleaning and maintaining quarantine rules and regulations.

Graduate Teaching Experience, New Mexico State University (2011-2014):

- Teaching Assistant to Dr. Alvaro Romero Spring 2013 NMSU, EPWS 303 “Economic Entomology”
 - Lectured on three topics: digestive tract, nervous system, and insecticides.
 - Design and grade insect identification quizzes and practical.
 - Assisted students in learning to identify insects and with course collections.
- Teaching Assistant to Dr. Scott Bundy Fall 2012 NMSU, EPWS 308V “Insects, Humans and the Environment”
 - Presented one lecture over insect digestive tract.
 - Proctored and graded exams.
 - Created and set up weekly quizzes.
- Teaching Assistant to Dr. Scott Bundy Fall 2012 NMSU, EPWS 100 “Introduction to Pest Management”
 - Proctored and graded exams.
 - Created and set up weekly quizzes.
 - Assisted in lab duties and graded lab journals.
- Teaching Assistant to Dr. Scott Bundy Spring 2012, EPWS 308V “Insects, Humans and the Environment”
 - Proctored and graded exams.
 - Created and set up weekly quizzes.

Honors/Awards:

- First Place Masters Presentation Competition, 2013 Cotton Beltwide.
 - Publication “Glandless Cotton in New Mexico: Impact of Nitrogen on Gossypol Associated Resistance to Cotton Bollworm and Beet Armyworm.” 2013 Cotton Beltwide
- Second Place 2011 Weed Olympics Undergraduate Competition. Knoxville, TN.
- Eagle Scout, Boy Scouts of America, 2006.

Other Activities and Memberships:

- Youth Ranch Management Camp Organizer 2023- Present.
- Acting 4-H Agent, 2023 – present.
- NACAA Member, 2022 – present.
- New Mexico Association of County Agricultural Agents, 2022 – present.
 - Search for Excellence Committee Chair 2024.
- President of Pecos Valley Teen Center (aka. Café Cha Cha Cha) 2022 – present.
- SENMARA Board Member – 2021-present.
- NMDGF Hunter’s Education Instructor – 2022-Present.
- Summited Everest, 2018.

2023 Presentations:

- Garnett, A. (2023, December 11). Shooting Sports Safety Meeting. Chaves County 4-H.
- Garnett, A. (2023, November 29). Resist the Resistance. Harding County CEUs.
- Garnett, A. (2023, November 7). Resist the Resistance. Chaves County CEUs.
- Garnett, A. (2023, November 4). Shooting Sports Safety Meeting. Chaves County 4-H.
- Garnett, A. (2023, October 9). Shooting Sports Safety Meeting. Chaves County 4-H.
- Garnett, A. (2023, September 22). Pecan Weevil Trap Workshop.
- Garnett, A. (2023, September 15). Pecan Weevil Trap Workshop.
- Garnett, A. (2023, September 9). Agriculture of Chaves County. Democrat Party of New Mexico Planning Committee.
- Garnett, A. (2023, September 8). Pecan Weevil Trap Workshop.
- Garnett, A. (2023, September 7). Moderator & Cotton IPM. Artesia Ag Science Center Field Day.
- Garnett, A. (2023, August 19). Pecan Weevil Trap Workshop. Gardening at the Library.
- Garnett, A. (2023, August 17). Pecan Weevil Trap Workshop.
- Garnett, A. (2023, August 16). Pecan Weevil Trap Workshop.
- Garnett, A. (2023, August 11). Pecan Weevil Trap Workshop.
- Garnett, A. (2023, July 20). 4-H in Chaves County. Roswell Rotary Club.
- Garnett, A. (2023, June 15). Associations and Agriculture. Youth Ranch Management Camp.
- Garnett, A. (2023, May 20). Fertilizing. Gardening At the Library.
- Garnett, A. (2023, April 27). Gardening in New Mexico. Home and Garden Club.
- Garnett, A. (2023, April 15). Raising Your Garden Game. Gardening At the Library.
- Garnett, A. (2023, March 31). Agriculture in Chaves County. Leadership Roswell.
- Garnett, A. (2023, March 6). Herbicide Resistance. Rio Grande Golf Association.
- Garnett, A. (2023, March 2). Raised Bed Gardening. Extension Club.
- Garnett, A. (2023, February 11). Shooting Sports Safety Meeting. 4-H Shooting Sports

- Garnett, A. (2023, February 10). Extension in Chaves County. Sertoma Club.
- Garnett, A. (2023, February 5). Wildlife Conservation and Management. Hunter's Education.
- Garnett, A. (2023, February 4). Responsible and Ethical Hunters. Hunter's Education.
- Garnett, A. (2023, January 26). Moderator for Presentations.
- Garnett, A. (2023, January 21). Grocery to Garden. Gardening at the Library.