

# New Mexico State University

Entomology Plant Sciences

## Extension Entomology\* Program

\*Entomology---(def.) the study of insects and their relatives



### Briefly, the Extension Entomologist...

...provides quick but accurate identifications of insects and their relatives plus biological information and appropriate control strategies to an extensive & varied clientele

...serves as an information resource for New Mexico State University, the College of Agricultural, Consumer and Environmental Sciences and the Cooperative Extension Service for basic entomology

...creates educational entomology programming as needed for adults and youth

...cooperates with Extension, College and University personnel to develop newsletters, press releases, publications, displays, grant applications, technical reports and other multimedia materials as outreach or documentation of activities.

### Recent Partnerships & Clients


...New Mexico State University: the College of Agricultural, Consumer and Environmental Sciences and the Cooperative Extension Service (state and county levels) for Master Gardener programs (statewide) and Pesticide Applicator Training Programs (statewide); gardening and natural history/conservation programs as needed; grant and publication writing (4 interdisciplinary, agriculture based proposals written and submitted to USDA-APHIS, PPQ this spring); EPA Region 6 grants received (2007, 2009, 2010 pending) with land grant universities in NM, TX, OK, AK, LA for mosquito control (2007-2009), pesticide resistance management (2009-2011) and agriculture disaster preparedness (2011-2013) pending.

...New Mexico Department of Agriculture: Agricultural & Environmental Services for identification of various arthropods collected during invasive species surveys, nursery inspections and other activities; Veterinary Diagnostic Services Laboratory: identification of samples submitted by veterinarians, livestock and pet owners from domestic animals

...United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection & Quarantine (USDA, APHIS-PPQ) for identification/verification of selected arthropods collected during annual invasive pest surveys; USDA Chile Thrips Task Force; USDA/UF National Plant Diagnostic Network

...U.S. Forest Service and U.S. Department of the Interior, Bureau of Land Management for Pesticide Applicator Training, specific pest identifications, joint pest-related projects in New Mexico





...Professional Organizations: Southwest Turfgrass Association, regional Golf Course Superintendents' Associations, Crop Production Association, New Mexico Pest Management Association, New Mexico Beekeepers' Association, Albuquerque Beekeepers' Association; NM Cotton Growers; Chile Task Force; Think Trees! Conference; NM Organic Commodity Commission

...Kids, Kows and More displays and presentations (2 events/year), entomology displays for the Southern and Southwestern New Mexico Fair (4 years for each), Earth Day displays and presentations with local conservation districts (2/year for 5 years), School to World displays, high school recruitment (8 years); 4H program (curriculum written, proctoring statewide competitions in entomology for 12+ years); Future Farmers of America program (study guide written, proctoring statewide competitions in entomology for 12+ years); 2 lectures and lab for Senior level AXED class

### **Accomplishments and Impacts**

...Extension entomology programs annually reach over 1,700 adults; youth programming reaches over 14,000 students annually providing at least 90% with their first exposure to the subject as well as an opportunity to view hundreds of unique preserved arthropods.

...The Extension Entomologist identifies 800-1000 lots of specimens from Extension agents and their clientele and another 500-700 lots submitted by other partners and/or their clients

...The Extension Entomologist gives basic entomology training to 120-150 pesticide applicator trainees annually plus entomology updates (worth 1 CEU) to at least 300 pesticide licensees, permitting them to keep their licenses. County Extension agents routinely estimate annual salaries of licensees at \$35,000. Using these statistics, the Extension Entomologist helps 300 licensees keep their job status and support their families, contributing ca. \$10.5 million to New Mexico's economy.

...The Extension Entomologist has served as Governing Board Representative (Section E: Extension and Regulatory) for the Entomological Society of America, Secretary-Treasurer, Vice President and President of the Southwestern Branch, Entomological Society of America and Vice President and President of the Southwestern Entomological Society in addition to numerous committees and chairs of some of these professional entomology committees. She was awarded the Outstanding Extension Award for 2008 by the College of Agriculture, Consumer and Environmental Services.

### **Contact Information**

Dr. Carol A. Sutherland; Extension Entomologist, NMSU & State Entomologist, NM Dept. Agriculture; Extension Plant Sciences Department; Box 30003, MSC 3AE; New Mexico State University; Las Cruces, NM 88003-8003. Phone: 575-646-1132; Email: [csutherl@nmsu.edu](mailto:csutherl@nmsu.edu)

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