

## **Brief Curriculum Vitae**

### **Dr. Carol A. Sutherland**

#### **Education:**

- B.S., Boise State University, Boise, ID---1971. Major: Biology; Minor: Chemistry
- Ph.D. , Oregon State University, Corvallis, OR---1974. Major: General Entomology; Minor: Integrated

#### **Employment:**

- Laboratory Aide, Biology Department, Boise State College (University), 1969-71
- National Defense Education Act Fellowship, Oregon State University, 1971-1974
- Assistant Professor, Entomology- Nematology Department, University of Florida, Gainesville, FL, 1974-79
- Research Specialist, Range Caterpillar Project, Entomology and Plant Pathology Department, New Mexico State University, Las Cruces, NM, 1980-82.
- Extension Survey Specialist, Entomology and Plant Pathology Department, New Mexico State University, Las Cruces, NM, 1982-87.
- Bureau Chief, Entomology and Nursery Industries, New Mexico Department of Agriculture, Las Cruces, NM, 1987-95.
- State Entomologist, Entomology and Nursery Industries, New Mexico Department of Agriculture, Las Cruces, NM, 1995-98.
- Extension Entomologist, Extension Plant Science Department, New Mexico State University, Las Cruces, NM (50%) and State Entomologist, Entomology and Nursery Industries, New Mexico Department of Agriculture, Las Cruces, NM (50%), 1998-present.

#### **Current Professional Activities**

- State (Cooperative Extension) Major Program Title: Insect Identification, Management, and Training--- Extension Plant Sciences, Plan of Work 2012-2017
- NMSU Master Gardeners program, Entomology PowerPoint, presentations plus specimen displays, 13-16+ presentations annually, statewide
- NMSU Pesticide Applicator Training program, entomology training & certification presentations
- NMSU 4H Entomology program: Superintendent for Annual State identification/basic entomology competitions; prepare District contests; maintain/revise manual & study guide; present entomology short courses for NMSU-4H agents, leaders, 4-H youth, as needed.
- NMSU-Future Farmers of America program: Organize/preside at Annual /State identification/pesticide safety competitions; present Entomology short courses as needed for state FFA teacher workshops; revise study guides, prepare entomology teaching aids for FFA teachers
- Prepare and deliver PowerPoint presentations, bring specimen displays, etc. concerning miscellaneous entomological subjects for garden clubs, parks, recreation areas, government agencies, church or youth groups (including Boy and Girl Scouts), civic groups, 'Agriculture Days,' fairs, etc.
- Identify arthropods for NMSU Cooperative Extension Agents (statewide), colleagues, NMDA, other agencies, as requested, general public; research pest management methods and products as requested.

### **Professional Memberships, Activities**

Entomological Society of America, Member 1972-present. Member of the National Governing Board, 1993-95. Member Southwestern Branch since 1980. Secretary-Treasurer-Elect, Secretary-Treasurer, Vice President, President, Past-President of the Branch, 1997-2000. Member & frequent Chair of Insect Detection, Identification & Prediction Committee (1990-present). Member Public Information Committee, Youth Science Committee, other committees.

- Sigma Xi, member since 1975. President of Local Chapter, 1994-1997.
- Society of Southwestern Entomologists, member; President-2008, Past President-2009

### **Recent External Funding Acquired; Grant Proposals Written, etc., 2008-present**

- Urban (Mosquito) Misting Systems, 2006-2008, Region VI, US Environmental Protection Agency, \$6840-funded.
- Pesticide Resistance Training for Licensed Pesticide Applicators, 2009-2011. Region VI, US Environmental Protection Agency, \$5300-funded.
- Insect & Disease Survey for Southern NM Pistachio Orchards (\$6500), part of Integrated Pest Management Systems in New Mexico, Tess Grasswitz (NMSU), 2009-2010. US Department of Agriculture, National Institute of Food and Agriculture-funded.
- Evaluating Effects of Mechanical, Chemical and Biological Controls on Invasive *Tamarix* spp. In a Western Reservoir, \$25,993. Lehnhoff, E., B. Schutte, L. Beck & C. Sutherland. USDA- Western (Region) Integrated Pest Management-funded.
- AgSTEM for Career Pathway Development, (My section: 'What's BUG-GING You? Exploring & Comparing What's in Our Gardens & Fields...'), \$63,339. (Pending, 2017-2020). Willis Fedio, et al., The American Honda Foundation.
- Delivering IPM education and outreach to New Mexico's communities. (In prep., 2017-2020). Ashley Bennett, et al. USDA NIFA EIP.

### **Significant Publications**

- Sutherland, Carol A. 2002 (and later revisions). Arthropods Associated with Turf and Ornamentals, Chapter III E, 54 pp., in New Mexico Extension Master Gardener Manual, Curtis Smith, ed. NMSU Dept. Agricultural Communications.
- Sutherland, Carol A. and Ron L. Byford. 2002 (and later revisions). Concepts of Integrated Pest Management for Ornamentals and Turf. Chapter III F, 2 pages, in New Mexico Extension Master Gardener Manual, Curtis Smith, ed. NMSU Dept. Agricultural Communications.
- Sutherland, C. 2003. Let's Color Some Insects! NMSU Circular 565. 25pp.

- Ellington, J., T. Carrillo, J. White, C. Sutherland, D. Richman, J. Drake and S. Bundy. 2005. Guide to the Biological Control of Some Common Yard and Garden Pest Insects in New Mexico. NMSU-Coop. Ext. Serv. Circular 607.
- Richman, D.B. and Carol A. Sutherland, 2006 (under revision). '100 Common Insects of New Mexico,' (to become '110 Common Arthropods of New Mexico'), NMSU Cooperative Extension Service, Circular 570, 62 pp.
- Richman, D.B. and Carol A. Sutherland. 2015 (2<sup>nd</sup> edition). 'Insects Rule the Planet!' 4H & Youth Development Program Unit, New Mexico State University, printed & CD versions, 193 pp.
- Sutherland, Carol A. 2006. 10 Common Arthropod Pests of Turf (set of 10 fact sheets) and 10 Common Arthropod Pests of Landscape Plants (set of 10 fact sheets). Fact sheets for the public but also study guides for New Mexico Pesticide Applicator Trainees, Category 3A, NMSU Cooperative Extension Service: <http://aces.nmsu.edu/ces/plant>.
- Lauriault, L., I. Ray, S. Thomas, C. Sutherland, J. Ashigh, F. Contreras-Govea & M. Marsalis. 2010. Selecting Alfalfa Varieties for New Mexico. NMSU, ACES Circular 654.
- Sutherland, C. & L. Lauriault. 2012. Whitefringed Beetle in New Mexico Alfalfa. Cooperative Extension Service Circular 659.
- C. Sutherland & A. Romero. 2013. Sleep Tight! Don't Let the Bed Bugs Bite! Practical Information for Dealing With and Eliminating Bed Bugs, NMSU Cooperative Extension Service Guide G-324.
- Romero, A. & C. Sutherland. 2013. The above in Spanish. Guia G-324SP.
- Maier, B., H. Hubble, C. Sutherland. 2013. Managing Grape Leafhoppers on New Mexico Grape Vines. Guide H-322. 8 pp.
- Pierce, Jane and Carol Sutherland. 2017 (revised). Honey Bees in New Mexico. Cooperative Extension Service Guide L-110, 4 pp..
- Sutherland, C., J. Pierce, B. Lewis, R. Heerema. 2017. Pecan Weevil: Wanted DEAD, Not Alive. NMSU Cooperative Extension Service Circular 683, 8 pp.
- L.M. Lauriault, D.C. Thompson, J.B. Pierce, A.B Bennett, B.J. Schutte, L.L. Beck, C. Sutherland, D. Jimenez, & W.V. Hamilton. (in revision, 2017). Managing *Aceria malherbae* gall mites for control of field bindweed. NMSU Cooperative Extension Service Guide 600. 21 pp.