

## Vitae

**Brad Lewis**

### **Appointment:**

7% Teaching  
75% New Mexico Department of Agriculture  
18% Experiment Station

### **Education:**

B.S. Agricultural Biology 1979-New Mexico State University  
M.S. Interdisciplinary Agriculture (1988)-New Mexico State University

### **Employment:**

1991 Department of Entomology, Plant Pathology and Weed Science 1982-  
New Mexico State University  
Research Assistant

present Department of Entomology, Plant Pathology and Weed Science 1991-  
New Mexico State University  
Research Assistant

present Bureau of Entomology and Nursery Industries 2004-  
New Mexico Department of Agriculture Bureau Chief

### **Teaching Experience:**

Plant Diagnosing EPWS/HORT 492; undergraduate course on regional plant disorders (1998-2003)

Seminar EPWS 490/590; graduate and undergraduate course on scientific \ oral presentations (1998-present)

### **Major Areas of Research:**

- Screening of candidate insecticides for pest control in regional tree fruit and row crops.
- Insecticide resistance management for high risk pests.
- Economic impact of regional pests on crop yield and quality.

- Development of novel pest management methods for regional crops.

**Specific Projects:**

- Development of the insecticide imidacloprid for use in flood irrigated pecans.
- Alternative insecticides for the control of blackmargined aphid in pecans.
- Yield enhancement in chile using harpin proteins.
- Impact of simulated hail on chile yields.
- Alternative insecticides for the control of Banks grass mite in corn.
- The use of thermal heat to defoliate cotton.
- Insecticide resistance management in onions for thrips control.
- Alternative control strategies for alfalfa weevil in alfalfa
- Defining the economics of blackmargined aphid in pecans.
  - Impact of beneficials on aphid populations in pecans.

**Awards:**

New Mexico State University:

President's Star Award for Superior Achievement by a Professional Staff  
Member-2000