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:

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

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

Bureau of Entomology and Nursery Industries 2004-present 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 chiel 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