

Vitae

Jane Breen Pierce, Ph.D.

Appointment:

49% Extension, 51% Research

Education:

B.S. Entomology 1979 University of Massachusetts

M.S. Entomology 1985 Texas A & M University.

Ph.D. Entomology 1990 Rutgers University

PROFESSIONAL EXPERIENCE

Department of Entomology, Plant Pathology, and Weed Science 1988 – present
and Extension Plant Sciences Department,
New Mexico State University
Assistant Professor 1996-2001
Associate Professor, 2001 – present

FMC Corp Research Entomologist, (1/91-2/96)

Center for Agricultural Molecular Biology, (3/90-1/91)
Rutgers University Research Fellow,

Extension Entomologist/Superintendent/Project Manager. (3/80-10/82)
Beekeeping Extension Research Program.
CARE, Ministry of Agriculture, Belize,
Central America and Peace Corps.

Major Areas of Research:

- Influence of Crop Management on Crop Microclimate and Insect Populations: Evaluation of impact of irrigation, crop placement, plant distribution, phenology, architecture on population dynamics of insect pests and beneficial arthropods..
- Biological Control of Alfalfa Weevil: Distribution, efficacy and populations dynamics of alfalfa weevil parasitoids in New Mexico.
- Design and Implementation of Model, Integrated Pest Management Programs for Boll Weevil in New Mexico
- Variation in Plant Resistance to Insects: Variation in Bt and conventional cotton selections and in turfgrasses infected with *Acremonium* endophytes.

Specific Projects:

- Impact of crop production practices on pest populations in New Mexico.
- Management Impacts on Crop Microclimate and Arthropod Populations in Arid/Sem Arid Environments.
- Biological Control in Pecan/Alfalfa Cropping Systems.
- Integrated pest management of boll weevil in New Mexico
- Boll weevil monitoring and research in the Pecos Valley
- Biological control of puncturevine in the Pecos Valley.
- Bt cotton in New Mexico.
- Performance of Bt cotton varieties in New Mexico.
- Variation in resistance to beet armyworm in Bt cottons.
- Impact of habitat on boll weevil overwintering success.
- Evaluating the impact of Tracer on beneficial insects in cotton..
- Evaluating the impact of Confirm on beneficial insects in cotton.
- Boll weevil monitoring in the Pecos Valley.

Professional Society Membership:

Entomological Society of America