

Greenhouse Projects

Project: 0304 Studies of Citrus Peelminer and Citrus Leafminer

Project Leader: Beth Grafton-Cardwell, Ph.D., IPM Specialist and Research Entomologist, Department of Entomology, UC Riverside, Kearney Agricultural Center

Objective: 1) Rear citrus peelminer on zucchini for various research studies. 2) Rear citrus leafminer on citrus seedlings for various research studies. 3) Rear parasitoids of citrus leafminer and peelminer.

Project: 0410 Host Plant Resistance Evaluations for Race 4Fusarium (FOV) in Upland and Pima Cotton

Project Leader: Robert Hutmacher, Ph.D., Associate Extension Specialist, Department of Agronomy and Range Sciences, UC Davis, Shafter Research and Extension Center

Objective: Objectives are to continue and expand efforts to evaluate and screen a wide range of cotton germplasm for relative resistance to San Joaquin Valley races of Fusarium oxysporum f. sp. Vasinfectum (FOV), focusing primarily on responses when exposed to the newly-recognized race 4 FOV described in this proposal. The work done in this study will NOT involve evaluation of either of the two primary Australian FOV strains known to strongly impact cotton.

Project: 0414 Tenlined June Beetle Biology and Control

Project Leader: Marshall Johnson, Ph.D., Associate Specialist, Department of Entomology, UC Riverside, Kearney Agricultural Center

Objective: 1. Evaluate new soil insecticides available for scarab grub control. 2. Evaluate the potential of using insect pathogens for TLJB control. 3. Determine horticultural factors (such as rootstocks, water stress management) that may influence TLJB damage.

Project: 0805 Effects of Climate on the Establishment and Persistence of *Xylella fastidiosa* Infections

Project Leader: Kent M. Daane, Ph.D., CE Specialist, Department of Environmental Science, Policy and Management, UC Berkeley, Kearney Agricultural Center

Objective: Compare the infection rate, symptom severity and titer of *Xylella fastidiosa* in inoculated almonds that are overwintered under moderate or severe winter climates.