

# Seminar

Title: Breeding Citrus for HLB Tolerance

Location: Southwest Florida Research and Education Center, Immokalee

Date & time: Wednesday, 20 December 2017, 10:00 AM – 12:00 Noon

Speakers: Dr. Jude Grosser and Dr. Fred Gmitter, UF-IFAS

Coordinator: Mongi Zekri, UF-IFAS

Program Sponsors: Todd Wilson and Jack Zorn with Tiger-Sul and Ward Gunter with ICL Specialty Fertilizers

**2 CEUs for Certified Crop Advisors (CCAs)**

**2 CEUs for Pesticide License Renewal**

## Agenda

---10:00 AM – 10:55 AM

**Rootstocks and genetic X nutritional interactions and impacts on scion performance.**

**Variation in Rootstock Responses to HLB in ongoing field trials**

**Screening new rootstock candidates directly for HLB tolerance**

**Effects of HLB on root nutrition – secondary and micronutrient**

**deficiencies**

**Emerging successful nutrition programs focusing on root health**

**Dr. Jude Grosser, UF-IFAS**

**10:55 AM – 11:05 AM Break**

---11:05 AM - 12:00 Noon

**DEVELOPMENT OF HLB-TOLERANT CITRUS VARIETIES AND ROOTSTOCKS:**

**Identification of natural variation for HLB sensitivity**

**Breeding and potential mutant selection**

**Characterization of tolerance mechanisms by genetic and anatomical**

**analyses**

**Potential applications of GMO or CRISPR technologies, and associated**

**challenges**

**Dr. Fred Gmitter, UF-IFAS**