

## Current Research Objectives

Dr. Fred Gmitter, Professor, Horticultural Sciences, CREC ([fgmitter@ufl.edu](mailto:fgmitter@ufl.edu))

**Research topic:** Citrus breeding, genetics, and genomics

**Primary Research Objective(s):** Produce new citrus plants that tolerate, or are resistant to, HLB

**Research Goal:** New tolerant or resistant citrus plants can enable production to stabilize and then increase, to support the future of the Florida citrus industry.

**Outcomes to date:** We have developed breeding parents and established a pipeline for selection of tolerant new citrus rootstock and scion varieties.

Growers have planted over 1 million new citrus trees in the last 3 years of HLB-tolerant varieties produced by the UF-CREC breeding program. These include LB8-9 Sugar Belle® mandarin hybrid, Bingo seedless mandarin, OLL series oranges, and the 17 UFR rootstocks.

**Funding source for this objective(s):** CRDF and NVDMC.