

Current Research Objectives

Dr. Bill Dawson, Professor and Eminent Scholar, Plant Pathology, CREC
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Research topic: Resistant or tolerant citrus

Primary Research Objective(s): Develop transgenic and non-transgenic gene edited citrus that is resistant or tolerant to HLB

Research Goal:

- Transform citrus with plant defense genes to increase resistance to HLB.
- Develop gene edited citrus that will not require as vigorous regulatory approval as transgenics

Outcomes to date: We have transgenic Hamlin and Duncan that are highly tolerant to HLB. They have been induced to maturity and are undergoing further testing. Work on gene editing has just begun.

Funding source for this objective(s): CRDF, two different USDA Specialty Crop grants

PI Name: Mou, Wang, Dawson, Grosser, Levy, El Mohtar, Dutt

Research topic: Resistant or tolerant citrus

Primary Research Objective(s):

Research Goal: Provide resistance or tolerance in treated trees that are not GMOs and will not require regulatory approval.

Outcomes thus far to advance the science: Project has just begun.

******Outcomes thus far that have been used by Florida growers:**