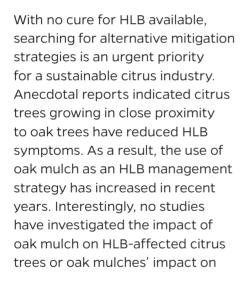
## **Impact of Oak Mulch on Florida Flatwoods Soil Characteristics and Nutrient Uptake of HLB-Affected Citrus**

Researchers: Lukas M. Hallman, Robert G. Shatters. Jr., Christina Dorado, Lorenzo Rossi

Contact: I.rossi@ufl.edu

**UF/IFAS IRREC** 





soil characteristics. Therefore, this study was created to (1) to study the capability of oak mulch to contain and suppress CLas and (2) to measure the effect of oak mulch on soil characteristics and nutrient uptake in HLB-affected trees.

Three inches of oak mulch were applied to trees once a year and the control trees had no mulch applications. After two years, oak mulch treated plots generally had higher soil phosphorus (P),

potassium (K), and magnesium (Mg) as well as higher soil moisture content. Additionally, mulch treated plots had improved soil structure and biological activity compared to non-mulched plots. However, no differences in leaf Ct value and leaf P, K, and Mg content were observed. These results suggest that oak mulch improves soil characteristics but does not reduce HLB symptoms. Data collection will continue until 2022.

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