



NEWS RELEASE

Pathway Biologic Research on HLB is Bearing Fruit:

Groves utilizing Pathway's PGPR platform / beneficial microbes will experience improved utilization of nutrients and sustain root growth

May 25, 2016 – For Immediate Release, Plant City, FL: Four years ago, Pathway Biologic dedicated a team of scientists to study and better understand the effects of HLB (Huanglongbing) on citrus. The exhaustive time spent researching Citrus is now paying off.

To date, industry practice has been to remove infected trees and quarantine infected areas. In an attempt to slow the progression of the disease. Despite these efforts, the fact is the majority of citrus in the field, particularly in the State of Florida, are infected with HLB. The practice of additional nutrient and foliar treatments are helping, but does not counteract HLB. The recent crisis declaration authorizing the use of antibiotics may have an impact, but when coupled with Pathway's microbial programs the aim is to provide growers a step towards restoring citrus.

Pathway Biologic is an independent, microbiological laboratory committed to identifying solutions to extend the productive life of citrus trees. The Pathway team works daily to determine microbial populations in the roots and leaves of the citrus trees tracking the propagation of HLB, quantifying presence and absence and degree of infection through qPCR analysis. Pathway's field treatments are showing success **extending the productive life** of the citrus tree, attaining and exceeding pre-HLB production counts.

Current Pathway field research on oranges shows an average of: **33% less fruit drop, 42% more fibrous roots, and 12% more lbs fruit per tree.**

In addition to the benefits of a quality nutrient program, adding Pathway's microbial products/programs have shown sustained root growth and bolsters the immune system, extending the productive life of citrus groves, and providing an increased bottom line.

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About Pathway Biologic: Pathway Biologic is an applied microbial science company and emerging leader in the rapidly growing field of microbial products that boost soil value, optimize plant growth, increase crop performance, improve efficiency of fertilizer and water in the growing process.

**Microbes
Matter**