



FireLine™ & FireWall™ HLB Bactericide Program for Citrus

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As a Florida citrus grower, you know all about Huanglongbing, or “HLB”; so does AgroSource. That’s why we’ve been working since 2013 in conjunction with the USDA-ARS under a Cooperative Research and Development Agreement (CRADA) to discover, test, and bring to market practical solutions for bacterial diseases, including HLB and citrus canker. Based on large-scale, multi-year, scientifically designed field trials established within commercially-managed Florida citrus groves, the **AgroSource HLB Bactericide Program** has been developed, which has the following key features and benefits:

1. Foliar applications of FireLine™ and FireWall™ bactericides to reduce *Candidatus Liberibacter asiaticus* (CLas) in HLB-infected trees;
2. Inclusion of specific adjuvants with FireLine and FireWall applications proven to facilitate penetration and systemic transport of the active ingredients in both products to where CLas resides in the tree; and
3. Integration of comprehensive citriculture practices, including nutrition and pest management, essential to aid tree health recovery.

1 Season 1 Reduce Bacteria



2 Season 2 Improve Tree Health



3 Season 3 Increase Yield



As the full effects of HLB take time to manifest, it likewise takes time for the AgroSource HLB Bactericide Program to counter those effects, but the benefits are generally a stepwise progression. Analysis of results from Program field trials generally indicate reduced CLas in the 1st season followed by improved tree health in the 2nd season and yield increases in the 3rd season (see illustration at left).

Progressive citrus growers in Florida have been employing the AgroSource HLB Bactericide Program under a Crisis/Section 18 emergency exemption since early March

of 2016 and many are already noting what they believe to be improved tree health and some instances of increased yields. While results may vary, by following the AgroSource HLB Bactericide Program over time and utilizing good citriculture practices, improved tree health and increased yields may be realized.

The AgroSource HLB Bactericide Program is not a “silver bullet”. Instead, it offers proven and readily available tools and technology based on real data from extensive large-scale field trials conducted in Florida to help Florida citrus growers fight HLB. Our commitment is to earn your trust with our Program. For more detailed information, please contact AgroSource Florida sales representative Bo Meador at (863) 673-0727/bo.meador@agrosource.net, or sales@agrosource.net, or www.agrosource.net.