
**PAPER 1:
PREVENTION AND CONTROL OF HUANGLONGBING (HLB)**

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ABSTRACT

Huanglongbing (HLB), also known as citrus greening disease, is caused by a vector-transmitted bacteria *Candidatus Liberibacter* spp. It is transmitted by 2 psyllid species: *Diaphorina citri* and *Trioza erytreae*. All citrus species are susceptible to HLB, irrespective of rootstock with severity varying on cultivars: sweet orange, mandarin, and mandarin hybrids are highly susceptible; grapefruit, lemon and sour orange are moderately susceptible; and lime, pummelo, trifoliolate orange are tolerant. Prevention and control of HLB can be summed by into the integrative application of five key and effective measures: (i) Ecological cultivation system; (ii) Kill all diseased trees; (iii) Using large and healthy seedlings; (iv) High density cultivation moderately; and (v) Kill psyllids in the whole orchard rapidly.

Keywords: Huanglongbing, citrus greening, prevention, control