

Title Relationship between physiological age, ripening and susceptibility of banana to wound anthracnose

Author M. Chillet, O. Hubert and L. de Lapeyre de Bellaire

Citation Crop Protection, Volume 26, Issue 7, July 2007, Pages 1078-1082

Keywords Banana; Anthracnose; *Colletotrichum musae*; Ripening

Abstract

Wound anthracnose caused by *Colletotrichum musae* is the main disease affecting the quality of export banana from the West Indies. Mountain-grown banana fruits are less affected by the disease than those grown in lowland areas. Little is known about the effects of fruit growth on the development of wound anthracnose. The results of our experiments revealed that as the physiological age increased, banana became more sensitive to *C. musae*. However, at the same physiological age, lowland banana were more susceptible than those grown in mountain banana plantations. Banana fruits that were the most susceptible to *C. musae* ripened the fastest as a result of rot development. Noted differences in wound anthracnose occurrence in lowland- and mountain-grown banana are discussed.