



Réunion annuelle conjointe ESA, SEC et ESBC 2018
Au-delà des frontières: l'entomologie dans un
monde en changement
11-16 novembre | Vancouver, Colombie-Britannique, Canada

2018 ESA, SEC and ESBC Joint Annual Meeting
Crossing Borders: Entomology in a Changing World
11-16 November | Vancouver, BC, Canada

PRESENTATION

2289: Morphometric and molecular delineation of *Melanaphis sacchari* and *Melanaphis sorghi*

Wednesday, November 14, 2018

10:50 AM - 11:00 AM

Vancouver Convention Centre - Meeting Room 304/305

The Sugarcane Aphid, *Melanaphis sacchari*, is a major worldwide crop pest causing direct feeding damage on sorghum and transmitting viruses to sugarcane. In the US, Mexico and Caribbean, an invasive genotype of Sugarcane Aphid has become a major pest of sorghum since 2013. The taxonomic status of *M. sacchari* varies among authors. Some consider that the species *M. sorghi* is a synonym of *M. sacchari*, while others consider them as distinct species according to morphological differentiations. In this study, based on the comparison of samples collected from the whole distribution area, we use both morphometric and molecular data to confirm that *M. sacchari* and *M. sorghi* are distinct species. The invasive genotype recently introduced in the Americas is found to be *M. sorghi*.

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