

Day 3 - April 5, 2022 - Lethal yellowing

2pm CET

1. Overview of lethal yellowing disease in the world.

- Wayne Myrie, Egya Ndede Yankey, Fabian Pilet, Matthew Dickinson, Carlos Oropeza, Assunta Bertaccini - 14:00-14:15

2. The 16SrXXII-B phytoplasma in palms, insects, and alternative hosts in Ghana.

- Egya Ndede Yankey, Sebastian Andoh-Mensah, Felix Owusu-Bremang, Jennifer Natasha Aikins, Holly Brown, Matthew Dickinson - 14:15-14:30

3. LAMP diagnostics for detection of coconut lethal yellowing type diseases in Africa.

- Matthew Dickinson, Egya Ndede Yankey - 14:30-14:45

4. Genetic diversity of 'Candidatus Phytoplasma palmicola' in Ghana and Mozambique.

- Fabian Pilet, Custódio Daniel Mendes, Egya Ndede Yankey, Lopes Manuel Parrique, Isaac Newton Attivor, Joe Nkansah-Poku, Antonia Yaz - 14:45-15:00

Break 15:00-15:15

5. Genomic screening for tolerance of coconut populations differentially exposed to coconut's lethal yellowing in Ghana, using GBS.

- Andrea Garavito-Guyot, Ronan Rivallan, Luc Baudouin, Egya Ndede Yankey - 15:15-15:30

6. Update on the presence of 16SrIV phytoplasmas in coconut and alternative host plants in Mexico.

- Eder Ramos, Carlos Fredy Ortiz, María Narváez, Germán Nic-Matos, Pablo Palma, Carlos Oropeza - 15:30-15:45

7. Quantitative PCR diagnostics for detection of the palm lethal yellowing diseases in America and Caribbean.

- Ivan Cordova, Graciano Puch-Hau, Germán Nic-Matos, Luis Sáenz, Carlos Oropeza - 15:45-16:00

8. Studies for the identification of vectors of palm lethal yellowing phytoplasmas in Tabasco, Mexico.

- Carlos Fredy Ortiz, Eder Ramos, Yesenia García, Saúl Sánchez, María Narváez, Carlos Oropeza - 16:00-16:15

Break 16:15-16:30

9. Identification of insect vectors of palm lethal yellowing phytoplasmas in Yucatan, Mexico.

- Iván Cordova, Miguel Fernández, Germán Nic-Matos, María Narváez, Luis Sáenz, Carlos Oropeza - 16:30-16:45

10. *Haplaxius crudus* and *Hortensia similis* potential insect vectors of lethal yellowing in Cuba.

- Maritza Luis-Pantoja, Camilo Paredes-Tomas, Jorge Luis Rodríguez-Tapia - 16:45-17:00

11. Transmission trials of lethal yellowing phytoplasmas carried out with *Oecleus mackaspringii*.

- Wayne Myrie, Brian W. Bahder, Erika E. Helmick, Charles R. Bartlett - 17:00-17:15

12. Resistance trials of plants of coconut varieties naturally exposed to palm lethal yellowing phytoplasmas in Tabasco and Yucatan.

- Ramón Castillo, Carlos Fredy Ortiz, María Narváez, Miguel Fernández, Nelson Torres, Rosario Enriquez, Marcela Vázquez, Maritza Luis-Pantoja, Camilo Paredes-Tomas, Wayne Myrie, Carlos Oropeza - 17:15-17:30

Break 17:30-17:45

13. Potential varieties for rehabilitating the coconut industry in Ghana.

- Egya Ndede Yankey, Linda Arhin, Frank Dampare, Elizabeth Tettey, Emmanuel Andoh-Mensah - 17:45-18:00

14. Homogeneity of the 16S rRNA genes in the coconut lethal yellowing phytoplasma in Jamaica: implication for its management.

- Wayne Myrie, Ericka E. Helmick, Assunta Bertaccini - 18:00-18:15

15. Economic and social analysis of the proposed innovations against lethal yellowing in coconuts: case studies in TROPICSAFE participating countries.

- Sonia Marongiu, Luca Cesaro, Egya Ndede Yankey, Enriquez R., Vázquez M. - 18:15-18:30

16. Composition of microbiomes in coconut lethal yellowing phytoplasma infected hosts.

- Mogens Nicolaisen, Nicoletta Contaldo, Maritza Luis-Pantoja, Youri Uneau, Egya Ndede Yankey, Camilo Paredes-Tomas, Maritza Luis-Pantoja, Wayne Myrie, Carlos Oropeza, Carlos Fredy Ortiz, Assunta Bertaccini - 18:30-18:45

