



Pest and Sanitation Management in Stored Tobacco (PSMST) Sub-Group Report

2022 CORESTA Congress Online

October 2022



- ❖ **History & Objectives**
- ❖ **General Update**
- ❖ **Infestation Control Conferences**
- ❖ **2021 and 2022 Meeting Summaries**



❖ **Sub-Group on Pest & Sanitation Management in Stored Tobacco**

- **Formed in 1991 to investigate growing concerns over rumored failed phosphine fumigations**
- **Established new worldwide tobacco fumigation standard**
- **Expanded research, outreach and education**
- **Currently comprised of members from 25 organizations (tobacco product manufacturers, leaf suppliers, pest control service organizations, entities focusing on education and research)**

❖ Purpose

- Assist the tobacco industry in combating post-harvest tobacco pests: cigarette beetle and tobacco moth





❖ Sub-Group Objectives

- Educate and promote best Integrated Pest Management practices for post-harvested tobacco worldwide
- Conduct collaborative studies on pest control and sanitation practices for post-harvested tobacco
- Investigate new technologies and issues related to infestation control in post-harvested tobacco

❖ 2020 and 2021 activities affected by COVID-19 and a coordinator transition

- COVID-19 travel restrictions prevented in-person meetings and Infestation Control Conferences (ICCs)
- Vernon Schmidt stepped down as coordinator due to a change in affiliation
 - Vernon will remain active in the Sub-Group
 - Members expressed appreciation and thanks for Vernon's dedication and efforts
- Co-coordinators now in place
 - Administrative – Mauri Winegardner, Universal
 - Meetings and ICCs – Jan Oestmann, Imperial Brands (2022)
Elliot Bartholomew, Alliance One International (2023)



General Update

- ❖ **Virtual meetings held in 2021 and 2022**
- ❖ **Online meetings and planning for the next in-person meeting and ICC opportunity proceeded**

Infestation Control Conferences

- ❖ **Last ICC conducted in Manila, Philippines**
 - **October 7-8, 2019**
 - **Hosted by JTI and UPL**
- ❖ **COVID-19 travel restrictions prevented gathering in 2020, 2021 and 2022**
- ❖ **Next ICC planned for Izmir, Turkey**
 - **April 17-18, 2023**
 - **Hosted by Imperial and UPL**





Infestation Control Conferences

- 2001 – Richmond, USA
- 2002 – Izmir, TURKEY
- 2002 – Puerto Vallarta, MEXICO
- 2002 – Santa Cruz do Sul, BRAZIL
- 2003 – Antwerp, BELGIUM
- 2004 – Stellenbosch, SOUTH AFRICA
- 2005 – Chennai, INDIA
- 2006 – Izmir, TURKEY
- 2007 – Antwerp, BELGIUM
- 2008 – Chiang Mai, THAILAND
- 2009 – Porto Alegre, BRAZIL
- 2010 – Kunming, CHINA
- 2011 – Cape Town, SOUTH AFRICA
- 2012 – San Juan, PUERTO RICO
- 2013 – Surabaya, INDONESIA
- 2014 – Bangalore, INDIA
- 2015 – Lilongwe, MALAWI
- 2017 – Santa Cruz do Sul, BRAZIL
- 2018 – Winston-Salem, USA
- 2019 – Manila, PHILIPPINES
- 2023 – Izmir, TURKEY



Sub-Group Meeting Summaries

- ❖ **Virtual meeting- July 22, 2021**
- ❖ **Vernon Schmidt announced his departure from the coordinator role and called for nominations**
- ❖ **Jan Oestmann announced Imperial's intention to host an in-person meeting and ICC as soon as practical**
- ❖ **SG projects were reviewed- Genetic markers of resistance, sulfuryl fluoride registration, fumigation sweet spot**
- ❖ **Updates- coffin fly issue in Russia, new infestation reference publication, controlled atmosphere as phytosanitary treatment**



Sub-Group Meeting Summaries

- ❖ **Virtual meeting- March 24, 2022**
- ❖ **Coordinator transition**
- ❖ **Co-coordinator agreement to again postpone in-person meeting and ICC related to Omicron surge**
- ❖ **Transition of training materials to online format**
- ❖ **Status of plans and projects**



Sub-Group Meeting Summaries

Workstream	2022-2023 plan	2024-2027 plan
IPM	Finalize sulfuryl fluoride evaluation and support registration process	Release new CRM for sulfuryl fluoride fumigation if regulatory registrations occur
Molecular Markers and Genetics	Study the viability of continuing research into genetic markers of <i>Lasioderma serricorne</i> to support a tolerance/resistance test kit	If potential genetic markers are found, seek commercial partners that may be willing to create and release a tolerance/resistance test kit to support product stewardship
Guidance	Continuous review of existing CRMs	Continuous review of existing CRMs
Resistance	Continue annual resistance testing of <i>Lasioderma serricorne</i> to maintain research colonies. Screen new colonies for resistance as brought forward by the industry.	Determine if new resistance studies are warranted considering industry situation and study of related pests.
Guidance	Attempt to re-start Infestation Control Conferences to promote industry IPM efforts.	Review ICC training materials to maintain alignment with pest control and industry best practices.



Sub-Group Meeting Summaries

- ❖ **Consideration of online training needs and opportunities- ongoing**
- ❖ **Colony maintenance 2021-2022 underway**
- ❖ **Additional genetic marker research not proposed at this time due to technical challenges and financial considerations**
- ❖ **Phosphine and controlled atmosphere discussions tabled for future meetings**



Sub-Group Meeting Summaries

- ❖ **Sulfuryl fluoride update provided with special use licensing later denied pending additional information from the manufacturer**
- ❖ **Peter Edde, Altria, shared mating disruption research with the results likely to expand use. Additional comments and questions related to interaction with pheromone trapping are pending, along with other considerations for wider use**
- ❖ **Sub-Group members were encouraged to make their priorities known and to support the Sub-Group work through financial or in-kind contributions**



Conclusion



Thank you!