



# **PSMST SG Report**

**2023 AP Conference, Cancun, Mexico**

**October 18, 2023**



- **History & Objectives**
- **Sub-Group Update**
  - **Infestation Control Conference (ICC)- Izmir, Turkey**
  - **Sub-Group Meeting- Izmir, Turkey**
- **SG Meeting Summary**
- **2-Year & 5-Year Planning**
- **Ongoing Focal Points**



## PSMST SG History

- **Formed in 1991 to investigate growing concerns over rumored failed phosphine fumigations**
- **Established new worldwide tobacco fumigation standards**
- **Expanded research, outreach, and education**
- **Currently comprised of members from 30 organizations**
  - **Tobacco product manufacturers, leaf suppliers, pest control organizations, research organizations**

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





## SG 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**

- **Return to face-to-face meetings in Izmir, Turkey, April 24-27, 2023**
  - **Infestation Control Conference (ICC)**
    - Sponsored by Imperial Brands and UPL
    - 77 participants, mainly from Turkey, tobacco products, tobacco processing, and pest control organizations well-represented
    - Kaya Izmir Thermal and Convention
    - Visit to Imperial Manisa warehouses for practical demonstrations and networking
  - **Sub-Group Meeting**
    - 22 Participants and guests
    - Kaya Izmir Thermal and Convention



# Infestation Control Conference - Izmir, Turkey





## SG Meeting Summary

- **Fera insect research**
- **Phosphine tolerant beetle study**
- **Phosphine monitoring tools**
- **Controlled atmosphere**
- **Profume / sulfuryl fluoride update**
- **Ethyl formate**
- **Mating disruption**





## 2-Year & 5-Year Planning

	2-Year Plan	5-Year 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.



## Ongoing Focal Points

- **Co-coordinator arrangement**
  - **Administrative: Mauri Winegardner, Universal**
  - **Meetings and ICCs: Elliot Bartholomew, Alliance One International**
- **Sulfuryl fluoride registration and guide**
- **Next ICC location and date**
- **Controlled atmosphere research**
- **Insect resistance studies**
- **2-Year & 5-Year plan update**



# Thank you!

