



TSNA Task Force in Air-Cured Tobacco Report

CORESTA

**Joint Agronomy/Phytopathology Study
Group Meeting**

Bucharest, Romania

13 October 2003



- **Coordinator:**

- ◆ Gary Palmer, University of Kentucky, USA

- **Liaison:**

- ◆ Mark Nielsen, GenApps, USA



Previous Meeting

- 2002 CORESTA Congress
- New Orleans, Louisiana – USA
- 24 September



- **Four objectives were proposed**
- **Committee Chairs were selected**



Objective 1

Develop a standardized nornicotine screening protocol so that baseline levels of nornicotine are comparable in tobacco seed varieties used by investigators

- **Coordinator and Chair**
Lowell Bush, University of Kentucky



Protocol

- **Three cured powder tobacco samples were supplied to 6 laboratories for nicotine and nornicotine analysis**
- **Each laboratory was to use their normal routine protocol for analysis**
- **Results have been received from all laboratories**



Collaborators

- Christian de Roton (Altadis Institut du Tabac)
- Hitoshi Saito (Japan Tobacco)
- Cliff Bennett (US Smokeless Tobacco)
- Cui Mingwu (Profigen)
- Lowell Bush (University of Kentucky)

Preliminary Findings



- To be discussed
 - ◆ TSNA Task Force Committee Meeting
 - ◆ 17:00 – 18:00



Objective 2

- ❑ **Develop guidelines or suggested critical survey questions for a farmer practice surveys so that results can be compared within and between tobacco origins**
- ❑ **Coordinator and Chair**
 - ❑ **George Scott, Universal Leaf**



Protocol

- Solicit suggestions from TSNA Task Force Members



- A draft will be presented to those attending the TSNA Meeting
- Suggestions are still welcome



Objective 3

- ❑ **Develop a collaborative study to investigate standard deviation for moisture content within farmer marketing packages among origins**

- ❑ **Coordinator and Chair**
David Conner, Standard Commercial



Protocol

- To be proposed
 - ◆ Dr. Lowell Bush, University of Kentucky
 - ◆ Today at TSNA Committee Meeting
 - ◆ Collaborators will be needed

Objective 4



- ❑ Develop a collaborative study which uses hobo loggers or a suitable substitute to collect curing conditions and possible impact of TSNA levels for tobacco of diverse origins and curing environments. Attempt to standardize placement of equipment and sample protocols

❑ Coordinator and Chair

- ❑ Christian de Roton, Altadis Institut du Tabac



Protocol

- Use preferably a high nornicotine line of burley or dark air cured tobacco
- Carry out study in 5-10 different curing barns.
- Place hobo-loggers at a representative point in the barn and outside the barn.
- Record dates, observations at curing phases.
- Take a representative sample of upper-middle leaves around the hobo-logger for TSNA, NO_2^- , nornicotine and grade



Collaborators

- Cliff Bennet (U.S. Smokeless Tobacco)
- Hitoshi Saïto (JTI)
- Francisco Palacio (Colombiana de Tabaco S.A.)
- Colin Fisher, (Universal Leaf Tobacco)
- Christian de Roton, (ITB, in collaboration with ANITTA)



- **Details will be provided by** Christian de Roton at the TSNA Task Force Committee Meeting



Web Site

- www.uky.edu/Ag/Tobacco/CORESTA.htm



TSNA TASK FORCE MEETING

Monday 13 Oct
17:00-18:00