



# **TSNA Task Force in Air-Cured Tobacco Report**

**2004 CORESTA CONGRESS**

**Kyoto, Japan**



## ❑ Coordinator:

- ❑ Gary Palmer, University of Kentucky, USA

## ❑ Liaison:

- ❑ Mark Nielsen, GenApps, USA



# Previous Meeting

- 2003 CORESTA Congress
  - Bucharest, Romania

# Status of Objectives

## 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
  
- ❑ The TSNA TASK Force determination
  - ❑ No action is required
    - ❑ Variability among procedures negligible



## 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
  
- ❑ Grower survey developed, introduced in Bucharest and submitted to the Scientific Commission



## Objective 3:

- ❑ **Develop a collaborative study to investigate standard deviation for moisture content within farmer marketing packages among origins**
  
- ❑ **No projects developed**

# 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 Low nornicotine line of burley or dark air cured tobacco
  - ❑ Seed source (non-converter ITB2204 and a converter B217)
- ❑ Carry out study in 2-5 different curing barns
- ❑ Place hobo-loggers at a representative point in the barn and outside the barn
- ❑ Record dates, observations at curing phases
  - ❑ Molds, darkening, fermentation, and other curing incidents
- ❑ Take a representative sample of upper-middle leaves around the hobo-logger for TSNA,  $\text{NO}_2^-$ , nornicotine and grade
- ❑ Evaluate the grade and quality of each variety



# Collaborators



- ❑ Christian de Roton
  - ❑ Altadis/ITB
- ❑ Bruno Fontaine
  - ❑ ANITTA
- ❑ Cliff Bennet
  - ❑ U.S. Smokeless Tobacco
- ❑ Hitoshi Saïto
  - ❑ JTI
- ❑ Francisco Palacio
  - ❑ Colombiana de Tabaco S.A.
- ❑ Colin Fisher
  - ❑ Universal Leaf Tobacco
- ❑ Marlene Adams
  - ❑ Reynolds American Inc.



# 2003

- 3 participating Organizations:
  - US Smokeless Tobacco, USA
    - Cliff Bennet
      - 1 site
  - JTI, Japan
    - Hitoshi Saito
      - 2 sites
  - Altadis/ITB + ANITTA, France
    - Christian de Roton & Bruno Fontaine
      - 7 sites.



# 2004

- ❑ 4 participating Organizations:
  - ❑ Colombiana de Tabaco S.A., Columbia
    - ❑ Francisco Palacio
      - ❑ 3 sites
  - ❑ Reynolds American Inc., USA
    - ❑ Marlene Adams
      - ❑ 1 site
  - ❑ JTI, Japan
    - ❑ Hitoshi Saito
      - ❑ 2 sites
  - ❑ Altadis/ITB and ANITTA, France
    - ❑ Christian de Roton and Bruno Fontaine
      - ❑ 10 sites



# Presentation of Data

- ❑ Christian de Roton, Altidis/ITB, France
- ❑ Mark Nielsen, GenApps, USA
- ❑ by Bruno Fontaine, ANITTA, France



# TSNA TASK FORCE MEETING

- Tuesday October 5, 2004



# Web Site

- [www.uky.edu/Ag/Tobacco/CORESTA.htm](http://www.uky.edu/Ag/Tobacco/CORESTA.htm)