



Residue Field Trials

Posters presented at the
University of Kentucky Burley Tobacco Tour (USA)

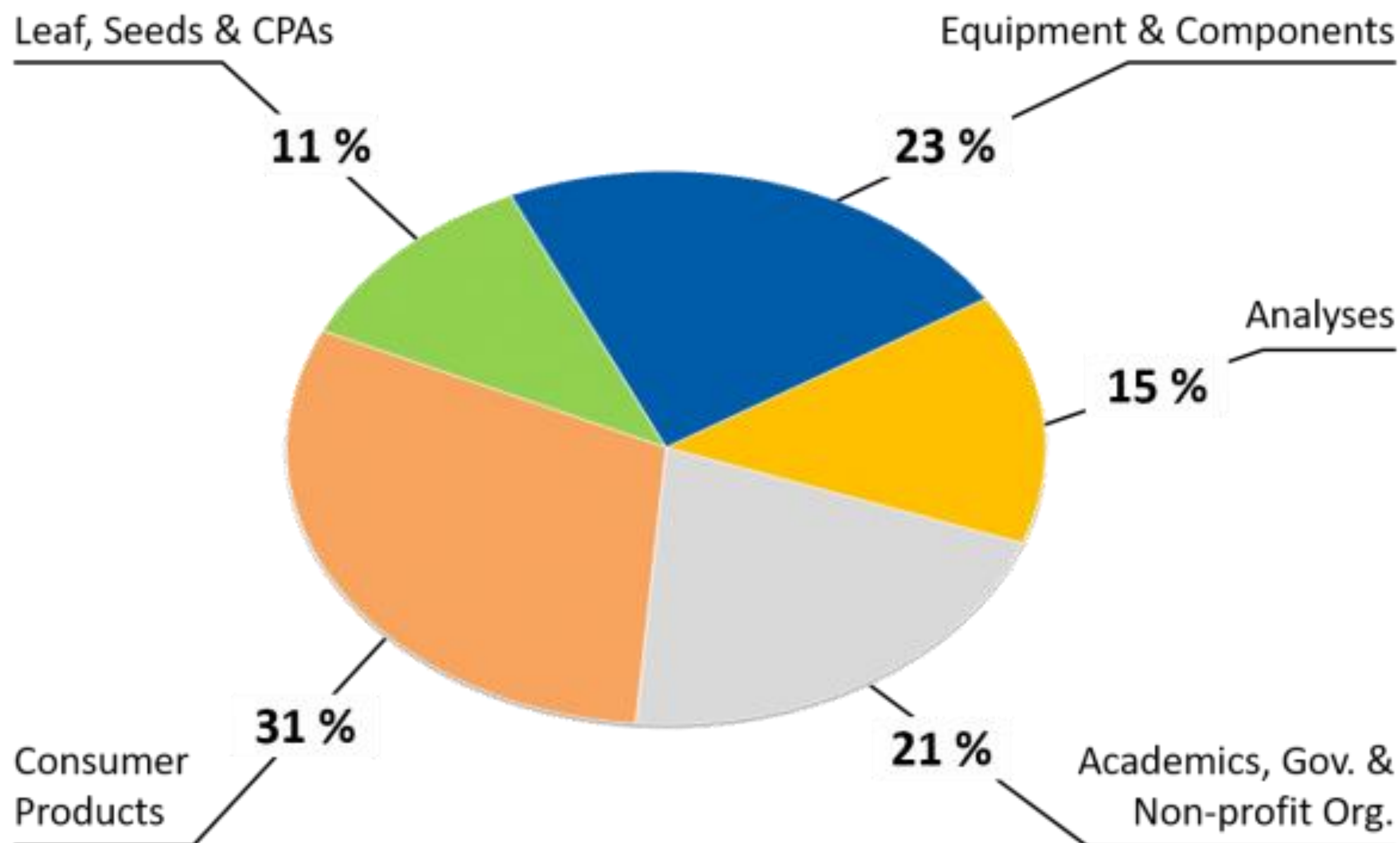
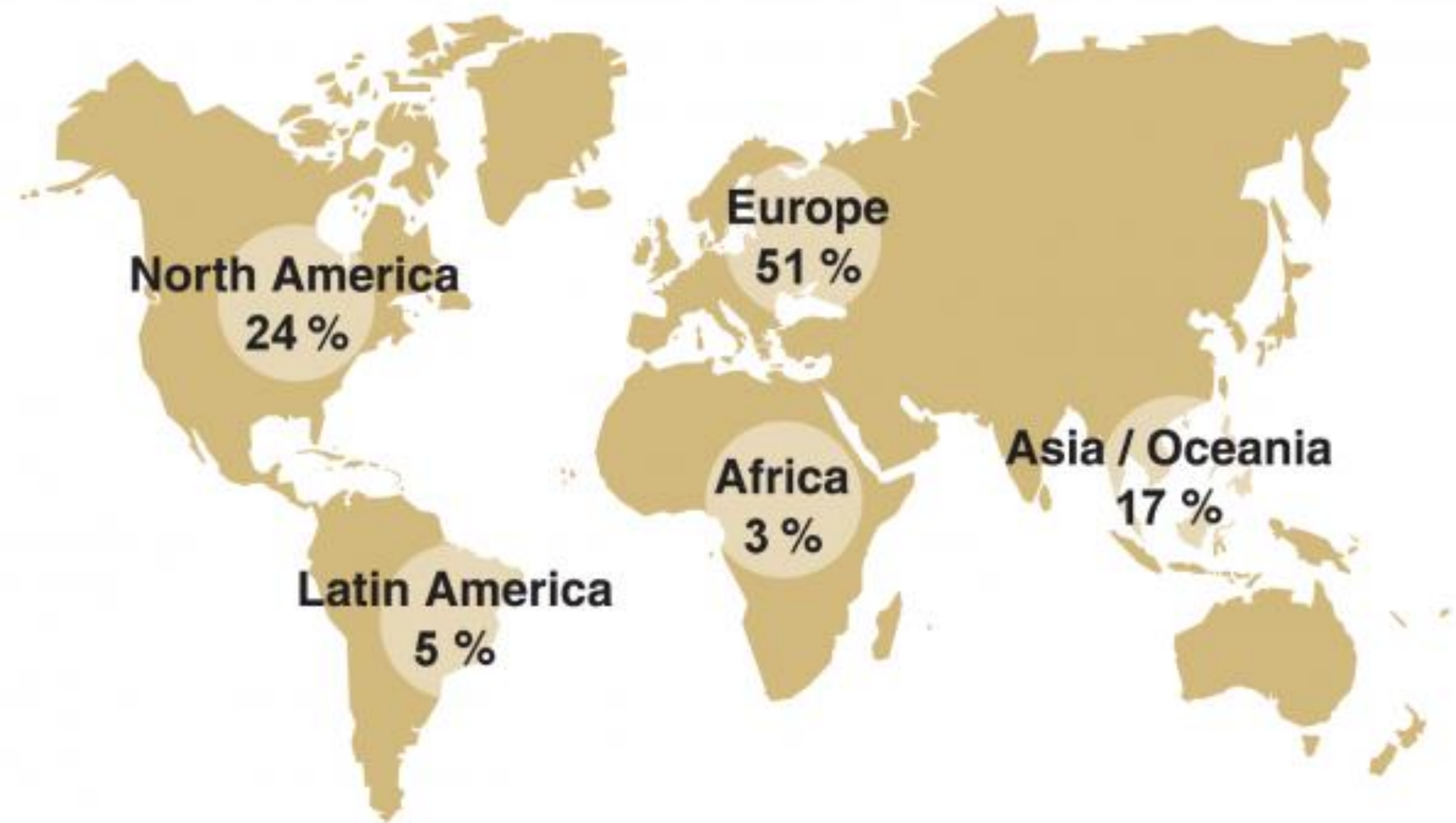
13 August 2019



Centre de **Co**opération
pour les **Re**cherches **Sci**entifiques Relatives au **Tab**ac
Cooperation Centre for Scientific Research Relative to Tobacco

Membership:

- 161 companies, institutes, laboratories, associations ...
- 41 countries (56 with subsidiaries)



Governance:

- Secretariat
(3 full-, 1 part-time)
- Board – elected/co-opted
(14 organizations)
- Scientific Commission - elected
(20 individuals)



4 Study Groups

Agronomy & Leaf Integrity
Phytopathology & Genetics

Smoke Science
Product Technology

Exchange of information: Annual conference

27 Working Groups

- Routine Analytical Chemistry (1985)
- IPM (2005)
- TSNA (2006)
- Black Shank (2015)
- Heated Tobacco Products **(2019)**
- Low Nicotine Agronomic Practices **(2019)**
- NGP Toxicology **(2019)**

AgroChemical Advisory Committee (ACAC)

92 CORESTA Recommended Methods (CRM)

- # 1 - Dithiocarbamates (1978) (ISO)
- # 2 - Organochlorine (1997) (ISO)
- # 4 - Maleic Hydrazide (1976) (ISO)
- #s 88 - 92 **(2019)**

42 ISO standards based on CRMs

25 Technical Guides

- # 3 - GAP (2005)
- # 7 - Scale for Coding Growth Stages (2009)
- # 21 - Best Practices and Crop Protection in Cigar (2017)
- #s 23 - 25 **(2019)**

Technical Guide No. 1 – Agrochemical **G**uidance **R**esidue **L**evels (GRLs)

4th ed 2016 (addition 2018) **>100 GRLs**



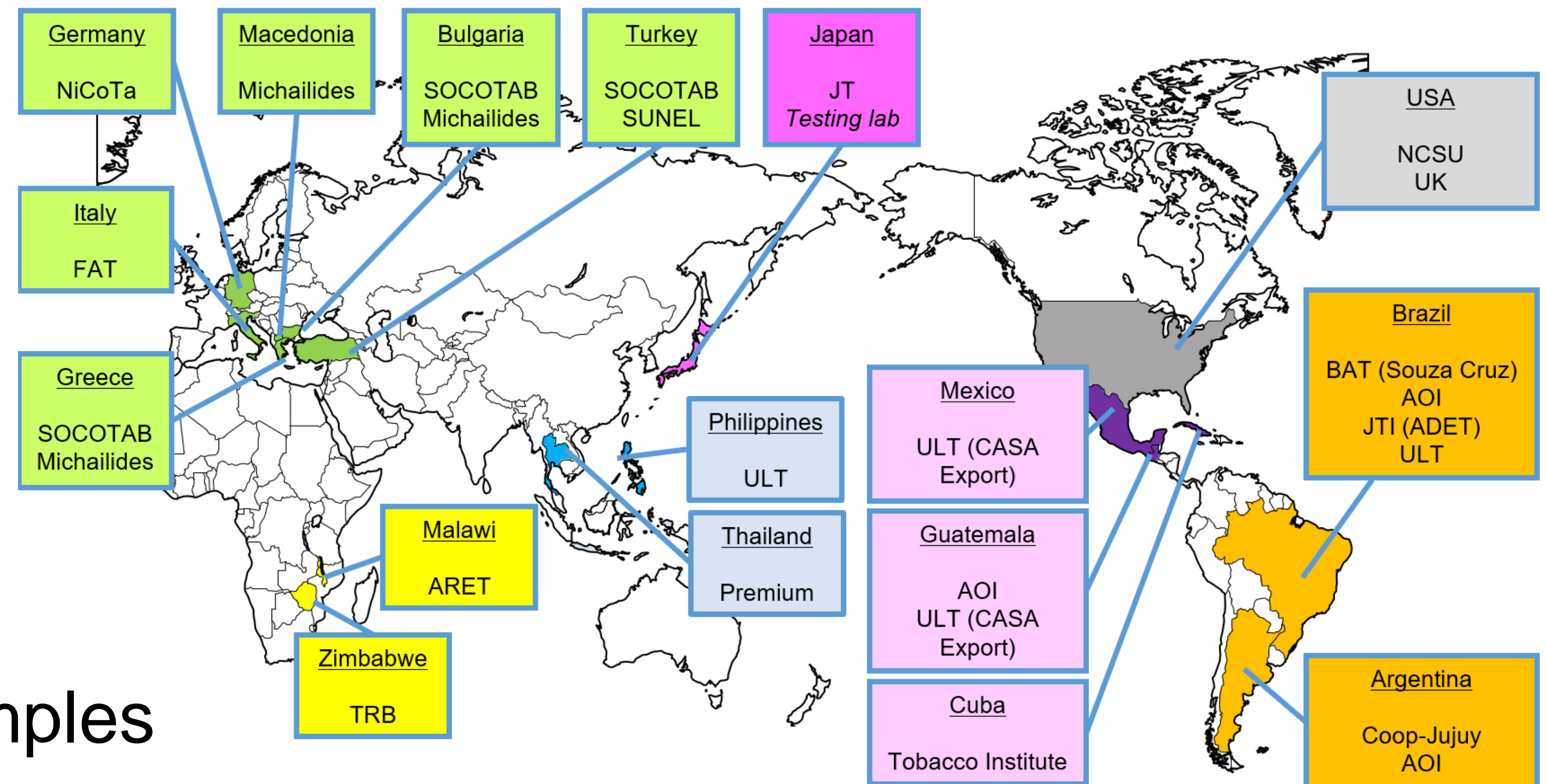
Agrochemical Residue Field Trials (RFT) Sub-Group

(established 2012)

Objective: Generate CPA residue data used to establish GRLs

Study design

- 3 years
- label extremes of:
 - highest rate
 - maximum applications
 - shortest intervals
 - label PHI
- upper & lower stalk samples



- 24 a.i. tested
- 25 collaborators
- 17 countries
- 4 tobacco types
- 416 field tests
- 3126 samples analyzed
- **10 GRLs established**

Administration, co-ordination & analysis by Japan Tobacco Inc.



2019 RFT tests – University of Kentucky

Princeton : Burley and DAC

Lexington : Burley

1st of 3-year testing cycle

Trade Name	Common Name	Rate, oz/acre	# Apps	Spray Interv	PHI	Scheduled application dates (days after setting)							
						6	56	69	70	74	79	84	91
Dual	Metolachlor	21.5	1	N/A		23-May							16-Aug
Presidio	Fluopicolide	4	3	14	7		12-Jul		26-Jul			9-Aug	16-Aug
Revus	Mandi-propamid	8	4	5	7			25-Jul		30-Jul	4-Aug	9-Aug	16-Aug
Exirel	Cyantraniliprole	20.5	3	5	7					30-Jul	4-Aug	9-Aug	16-Aug