

# Sub-Group Agrochemical Residue Field Trials (RFT)

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on behalf of Naoki Watanabe and Keisuke Nakayama

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### 1. Objectives

- In consultation with ACAC, to prepare and maintain a list of CPAs necessary to sustain successful leaf production and for which GRLs have to be set or reviewed
- 2. To produce a formal protocol for trial and testing procedures
- 3. To promote global participation in this programme
- 4. To collate results of trials done under the formal protocol and make them available to ACAC
- 5. To collect already available field residue trial data from various sources and make them available to ACAC



### 2. Organisation

- **❖** TF → SG (2016)
- Under Agronomy & Leaf Integrity Study Group

Coordinator: Keisuke Nakayama, Japan Tobacco Inc., Japan

Liaison: Keisuke Nakayama, Japan Tobacco Inc., Japan

Secretary: Matthew Vann, North Carolina State University, USA

Others: Trial Executors and Sub-group members

(come in and out flexibly)



### 3. Meetings

**Kick-off meeting:** June 30<sup>th</sup> 2012, Vienna Austria, 23 registered participants

**2nd meeting:** September 22<sup>nd</sup> 2012, Sapporo Japan, 14 registered participants

**3rd meeting:** January 20<sup>th</sup> 2013, Lexington USA, 16 registered participants

**4th meeting:** October 12<sup>th</sup> 2013, Brufa di Torgiano Italy, 22 registered participants

**5th Meeting:** January 11<sup>th</sup> 2014, Raleigh USA, 17 registered participants

**6th Meeting:** October 11<sup>th</sup> 2014, Québec City, Canada, 25 registered participants

**7th Meeting:** October 24<sup>th</sup> 2015, Izmir Turkey, 24 registered participants

**8th Meeting:** October 8<sup>th</sup> 2016, Berlin Germany, 22 registered participants

**9th Meeting:** October 21<sup>st</sup> 2017, Santa Cruz do Sul Brazil, 21 registered participants



### **Tested Agrochemicals 23 GRL Candidates**

Priority	#	Agrochemical	Priority	#	Agrochemical
1st priority	1	Azoxystrobin	2nd	13	Clothianidin
	2	Difenoconazole		14	Dicofol
	3	Indoxacarb		15	Teflubenzuron
	4	Propamocarb		16	Iprovalicarb
	5	Tebuconazole		17	Spirotetramat
	6	Chlorantraniliprole		18	Bitertanol
	7	Triflumuron		19	Iprobenfos
	8-1	Triadimefon		20	Thiacloprid
	8-2	Triadimenol	3rd	21	Chlorfenapyr
	9	Ethion		22	Prothiofos
	10	Triazophos		23	Quinalphos
	11	Fenamidone			
	12	Flubendiamide			



## Review of the 1st 3-year trial cycle (2013-2015)

RFT trials were conducted in 16 countries

(Northern hemisphere: 12, Southern hemisphere: 4)

- **❖** 32 executors have conducted RFT trials
- 23 CPAs have been entered into first, second, and third priority categories.
  - > 10 out of the 23 CPAs remain untested.
  - 237 trials were conducted and 1,436 samples were analyzed
  - All executors reports were received, all chemical analyses were completed, and some trials were discarded due to:
    - Product label violation
    - Protocol violation
    - Contamination of untreated samples



## Planning of the 2nd 3-year trial cycle (2016-2018)

#### Trials in 2016 and beyond, basically:

- Same CPA trials to be carried out for at least one more year (2016) to verify results and obtain more data.
  - No new CPAs to be tested for the moment basically
  - Withhold further 'seedbed treatment only trials' except for oriental regions (e.g. Propamocarb)
- Encourage completion of unfinished first three-year trials
- **Exceptions:** 
  - Spirotetramat in USA (as fundamental study)
  - Iprovalicarb in Turkey



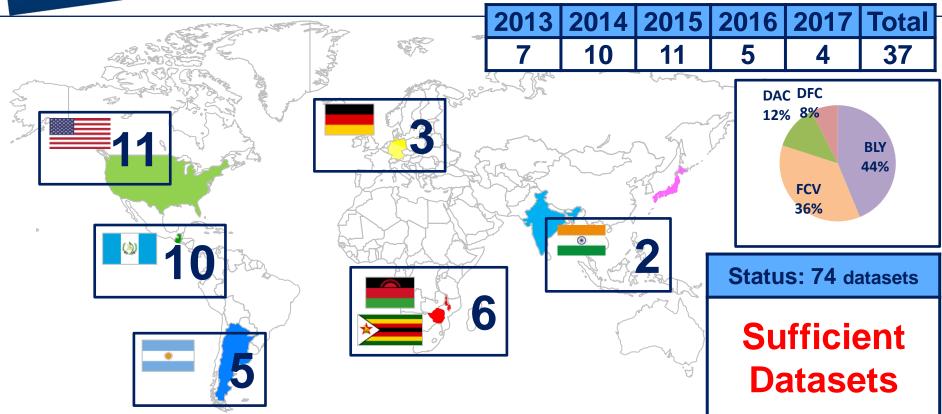
## Planning of the 2nd 3-year trial cycle (2016-2018) contd.

#### Trials in 2016 and beyond, basically:

- > 2017- trial
  - CPAs and countries to be selected based on following key elements:
  - GRL candidates not covered yet
  - GRL candidates already covered, but few trials
  - High frequency of detection/quantification in CARD
  - CPAs registered for tobacco in a large number of countries
- > => A list to be circulated for the entry (ACAC to discuss)



### **#1 Azoxystrobin**





### **Summary – Priority 1**

#	GRL Candidates	No. of countries	Total No. of trials	Total No. of dataset	Remark (Action plan)	
1	Azoxystrobin	7	37	74	Sufficient Datasets	
2	Difenoconazole	3	11	22	Will be Sufficient Datasets in 2019	
3	Indoxacarb <sup>*a</sup>	3	13	26	Sufficient Datasets	
4	Propamocarb	11	63	126	Sufficient Datasets	
5	Tebuconazole	4	14	28	Will be Sufficient Datasets in 2019	
6	Chlorantraniliprole*a	4	23	46	Sufficient Datasets	
7	Triflumuron	1	24	48	Sufficient Datasets	
8	Triadimefon/ Triadimenol	1	9	18	Residue definition to be clarified. Triadimefon / Triadimenol	
9	Ethion	1	2	4	more trials to be considered except for Asia	
10	Triazophos	1	2	4	more trials to be considered except for Asia	
11	Fenamidone	5	30	60	Sufficient Datasets	
12	Flubendiamide	6	31	62	Sufficient Datasets	



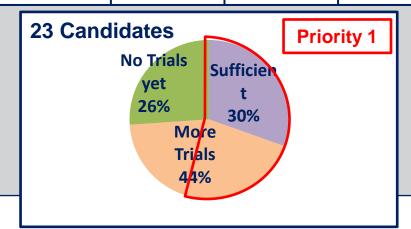
### **Summary – Priority 2, 3**

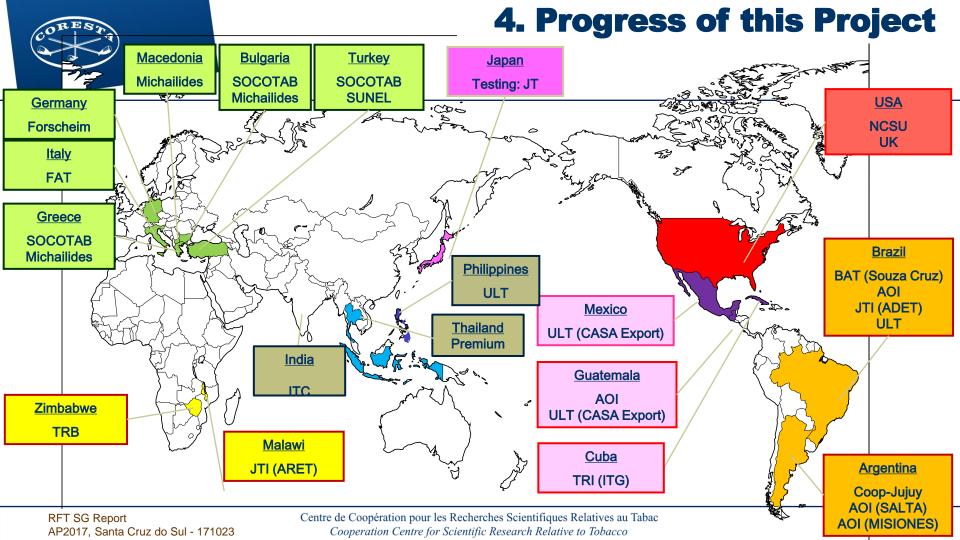
#	GRL Candidates	No. of countries	Total No. of trials	Total No. of dataset	Remark (Action plan)
13	Clothianidin	1	8	16	new trials has started in US more trials in Asia
14	Dicofol				No trials yet
15	Teflubenzuron	1	12	24	Sufficient Datasets
16	Iprovalicarb	1	2	4	more trials in Africa, Central America
17	Spirotetramat	1	2	4	more trials in Central America or Asia
18	Bitertanol				No trials yet
19	Iprobenfos				No trials yet
20	Thiacloprid	2	6	12	more trials in Central America or Europe
21	Chlorfenapyr				No trials yet
22	Prothiofos				No trials yet
23	Quinalphos				No trials yet



### **Summary - All**

Priority	GRL Candidates	No. of countries	Total No. of trials	Total No. of dataset	Remark (Action plan)
Total		17	388	776	more than 2700 samples
1	7 Candidates		221	442	Sufficient Datasets
	5 Candidates		38	76	More trials to be conducted
2, 3	5 Candidates		30	60	More trials to be conducted
2, 3	6 Candidates				No Trials yet
others			99	198	Dimethomorph, Mandipropamide, etc.







### **RFT SG Report**

### Thank you!

### Please see report on CORESTA website

https://www.coresta.org/agrochemical-residue-field-trials-first-3-year-programme-report-30625.html