

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 30th 2012, Vienna Austria, 23 registered participants

2nd meeting: September 22nd 2012, Sapporo Japan, 14 registered participants

3rd meeting: January 20th 2013, Lexington USA, 16 registered participants

4th meeting: October 12th 2013, Brufa di Torgiano Italy, 22 registered participants

5th Meeting: January 11th 2014, Raleigh USA, 17 registered participants

6th Meeting: October 11th 2014, Québec City, Canada, 25 registered participants

7th Meeting: October 24th 2015, Izmir Turkey, 24 registered participants

8th Meeting: October 8th 2016, Berlin Germany, 22 registered participants

9th Meeting: October 21st 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



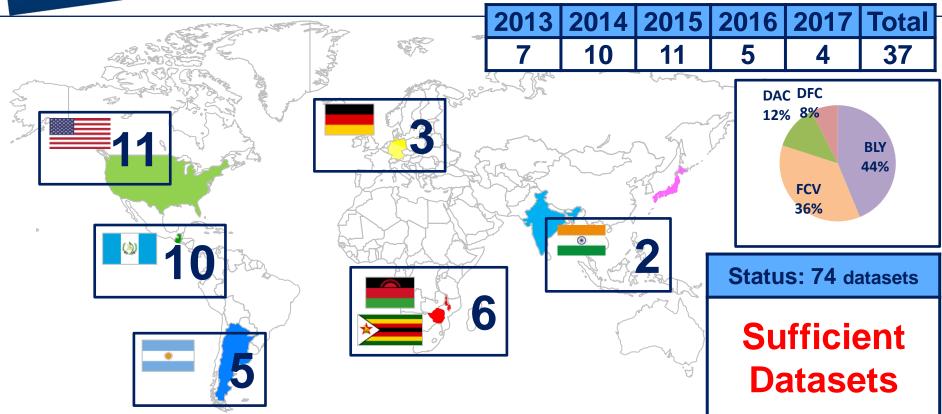
Planning of the 2nd 3-year trial cycle (2016-2018) contd.

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 ^{*a}	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	



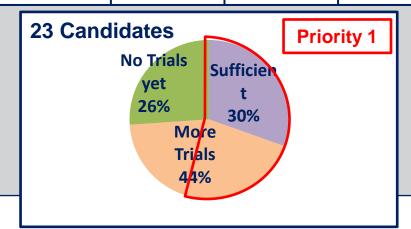
Summary – Priority 2, 3

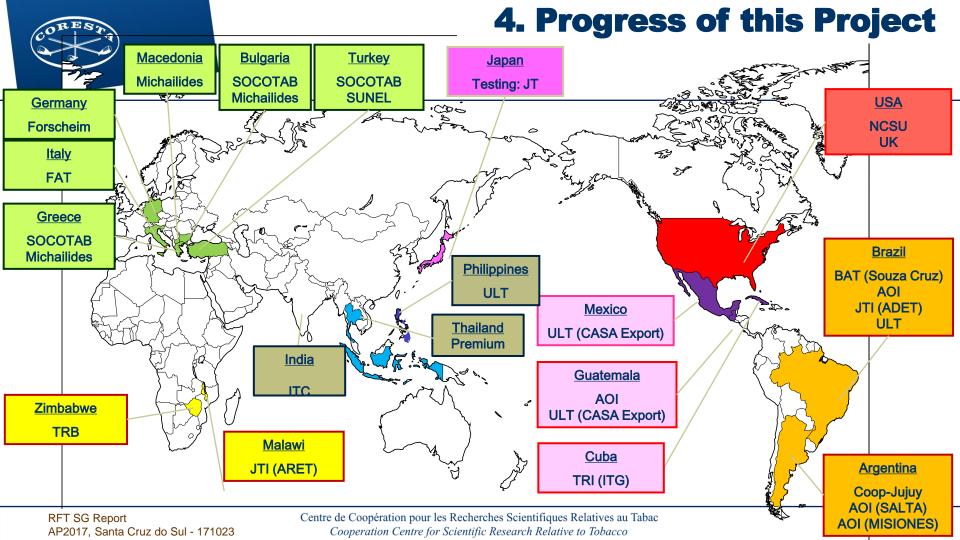
#	GRL Candidates	No. of countries	Total No. of trials	Total No. of dataset	Remark (Action plan)
13	Clothianidin	1	8	16	new trials has started in US more trials in Asia
14	Dicofol				No trials yet
15	Teflubenzuron	1	12	24	Sufficient Datasets
16	Iprovalicarb	1	2	4	more trials in Africa, Central America
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 2	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