



RFT SG Report

(Agrochemical Residue Field Trial SG)

Kunming, China

October 24th 2018

❖ Objectives:

- In consultation with ACAC, prepare and maintain **a list of agrochemicals** necessary to sustain successful leaf production and for which GRLs have to be set or reviewed.
- To produce **a formal protocol** for trial and testing procedures.
- Promote participation in this programme globally.
- Collate results of trials done under the formal protocol and make them available to ACAC.
- Collect already available field residue trial data from various sources and make them available to ACAC.



Meetings in the past & the latest

1. Kick-off meeting: June 30th 2012, Vienna, Austria, 23 registered participants
2. 2nd meeting: September 22nd 2012, Sapporo, Japan, 14 registered participants
3. 3rd meeting: January 20th 2013, Lexington, USA, 16 registered participants
4. 4th meeting: October 12th 2013, Brufa di Torgiano, Italy, 22 registered participants
5. 5th Meeting: January 11th 2014, Raleigh, USA, 17 registered participants
6. 6th Meeting: October 11th 2014, Québec City, Canada, 25 registered participants
7. 7th Meeting: October 24th 2015, Izmir, Turkey, 24 registered participants
8. 8th Meeting: October 8th 2016, Berlin, Germany, 22 registered participants
9. 9th Meeting: October 9th 2017, Santa Cruz do Sul, Brazil, 23 registered participants

10th Meeting

- **October 24th 2018, Kunming, China**
- **27 participants**



Agenda items at 10th RFT Meeting

❖ We discussed:

- Confirmation of current status & future plan
 - 23 GRL candidates
 - 8 new GRL candidates
- CPAs labeled for tobaccos
- Residue definition
- Degradation study
- Collaboration with Agrochemical Analysis SG



RFT Plan for 23 GRL candidates

#	Pri	Active Ingredient	Technical GRL	Countries
1	1 st	Azoxystrobin		Argentina, USA, Germany, Zimbabwe, India, Guatemala, Malawi
2		Difenoconazole		USA, Zimbabwe, India
3		Indoxacarb		USA, Malawi, Philippines
4		Propamocarb		Brazil, Italy, Zimbabwe, Cuba, Guatemala, Philippines, Thailand, Turkey, Greece, Bulgaria, Macedonia
5		Tebuconazole		USA, Zimbabwe, Malawi, India
6		Chlorantraniliprole		USA, Malawi, Philippines, India
7		Triflumuron		Brazil
8		Triadimefon/Triadimenol		Turkey
9		Ethion		India
10		Triazophos		India
11		Fenamidone		USA, Greece, Bulgaria, India
12		Flubendiamide		Argentina, USA, Zimbabwe, Malawi, Philippines, India
13	2 nd	Clothianidin		Turkey, USA
14		Dicofol		
15		Teflubenzuron		Brazil
16		Iprovalicarb		Turkey
17		Spirotetramat		USA
18		Bitertanol		
19		Iprobenfos		
20		Thiacloprid		Zimbabwe, Malawi
21	3 rd	Chlorfenapyr		
22		Prothiofos		
23		Quinalphos		



RFT Plan for 23 GRL candidates

#	Pri	Active Ingredient	Technical GRL	Countries
1	1 st	Azoxystrobin	YES	Argentina, USA, Germany, Zimbabwe, India, Guatemala, Malawi
2		Difenoconazole	YES	USA, Zimbabwe, India
3		Indoxacarb	YES	USA, Malawi, Philippines
4		Propamocarb	YES	Brazil, Italy, Zimbabwe, Cuba, Guatemala, Philippines, Thailand, Turkey, Greece, Bulgaria, Macedonia
5		Tebuconazole	YES	USA, Zimbabwe, Malawi, India
6		Chlorantraniliprole	YES	USA, Malawi, Philippines, India
7		Triflumuron	YES	Brazil
8		Triadimefon/Triadimenol		Turkey
9		Ethion		India
10		Triazophos		India
11		Fenamidone	YES	USA, Greece, Bulgaria, India
12		Flubendiamide	YES	Argentina, USA, Zimbabwe, Malawi, Philippines, India
13	2 nd	Clothianidin		Turkey, USA
14		Dicofol		
15		Teflubenzuron	YES	Brazil
16		Iprovalicarb		Turkey
17		Spirotetramat		USA
18		Bitertanol		
19		Iprobenfos		
20		Thiacloprid		Zimbabwe, Malawi
21	3 rd	Chlorfenapyr		
22		Prothiofos		
23		Quinalphos		



RFT Plan for 23 GRL candidates

#	Pri	Active Ingredient	Technical GRL	Countries
1	1 st	Azoxystrobin	YES	Argentina, USA, Germany, Zimbabwe, India, Guatemala, Malawi
2		Difenoconazole	YES	USA, Zimbabwe, India
3		Indoxacarb	YES	USA, Malawi, Philippines
4		Propamocarb	YES	Brazil, Italy, Zimbabwe, Cuba, Guatemala, Philippines, Thailand, Turkey, Greece, Bulgaria, Macedonia
5		Tebuconazole	YES	USA, Zimbabwe, Malawi, India
6		Chlorantraniliprole	YES	USA, Malawi, Philippines, India
7		Triflumuron	YES	Brazil
8		Triadimefon/Triadimenol		Turkey
9		Ethion		India
10		Triazophos		India
11		Fenamidone	YES	USA, Greece, Bulgaria, India
12		Flubendiamide	YES	Argentina, USA, Zimbabwe, Malawi, Philippines, India
13	2 nd	Clothianidin		Turkey, USA
14		Dicofol		
15		Teflubenzuron	YES	Brazil
16		Iprovalicarb		Turkey
17		Spirotetramat		USA
18		Bitertanol		
19		Iprobenfos		
20		Thiacloprid		Zimbabwe, Malawi
21	3 rd	Chlorfenapyr		
22		Prothiofos		
23		Quinalphos		



RFT Plan for 23 GRL candidates

#	Pri	Active Ingredient	Technical GRL	Countries
1	1 st	Azoxystrobin	YES	Argentina, USA, Germany, Zimbabwe, India, Guatemala, Malawi
2		Difenoconazole	YES	USA, Zimbabwe, India
3		Indoxacarb	YES	USA, Malawi, Philippines
4		Propamocarb	YES	Brazil, Italy, Zimbabwe, Cuba, Guatemala, Philippines, Thailand, Turkey, Greece, Bulgaria, Macedonia
5		Tebuconazole	YES	USA, Zimbabwe, Malawi, India
6		Chlorantraniliprole	YES	USA, Malawi, Philippines, India
7		Triflumuron	YES	Brazil
8		Triadimefon/Triadimenol		Turkey
9		Ethion		India
10		Triazophos		India
11		Fenamidone	YES	USA, Greece, Bulgaria, India
12		Flubendiamide	YES	Argentina, USA, Zimbabwe, Malawi, Philippines, India
13	2 nd	Clothianidin		Turkey, USA
14		Dicofol		
15		Teflubenzuron	YES	Brazil
16		Iprovalicarb		Turkey
17		Spirotetramat		USA, Guatemala
18		Bitertanol		
19		Iprobenfos		
20		Thiacloprid		Zimbabwe, Malawi
21	3 rd	Chlorfenapyr		
22		Prothiofos		
23		Quinalphos		



RFT Plan for 23 GRL candidates

❖ Statistics

Priority	a.i.	No. of Country	No. of Trials	Notes
1	12	17	280	9: Technical GRL
2 & 3	11	(5)	40	1: Technical GRL, 6: delisted
Others	(7)	(5)	96	Mandipropamid, Fluopicolide, etc.
Total	17/23	17	416	3,126 samples were analyzed



RFT Plan for New GRL Candidates

#	a.i.	Potential countries/Executors
1	Propiconazole	
2	Trifloxystrobin	Germany, Zimbabwe, Indonesia, (Switzerland)
3	Chlorfluazuron	Cuba, Indonesia (Japan)
4	Fluopicolide	Brazil, USA, Guatemala
5	Pyraclostrobin	Macedonia, Zimbabwe
6	Myclobutanil	(China, Japan)
7	Metolachlor	Argentina, Greece, Zimbabwe
8	Mandipropamid	Guatemala, USA, Indonesia



RFT Plan for New GRL Candidates

#	a.i.	Potential countries/Executors
1	Propiconazole	
2	Trifloxystrobin	Germany, Zimbabwe, Indonesia , (Switzerland)
3	Chlorfluazuron	Cuba , Indonesia (Japan)
4	Fluopicolide	Brazil, USA , Guatemala
5	Pyraclostrobin	Macedonia, Zimbabwe
6	Myclobutanil	(China , Japan)
7	Metolachlor	Argentina, Greece, Zimbabwe
8	Mandipropamid	Guatemala, USA , Indonesia



RFT Plan for New GRL Candidates

#	a.i.	Potential countries/Executors
1	Propiconazole	
2	Trifloxystrobin	Germany, Zimbabwe, Indonesia , (Switzerland)
3	Chlorfluazuron	Cuba, Indonesia (Japan)
4	Fluopicolide	Brazil, USA , Guatemala
5	Pyraclostrobin	Macedonia, Zimbabwe
6	Myclobutanil	(China, Japan)
7	Metolachlor	Argentina, Greece, Zimbabwe
8	Mandipropamid	Guatemala, USA , Indonesia

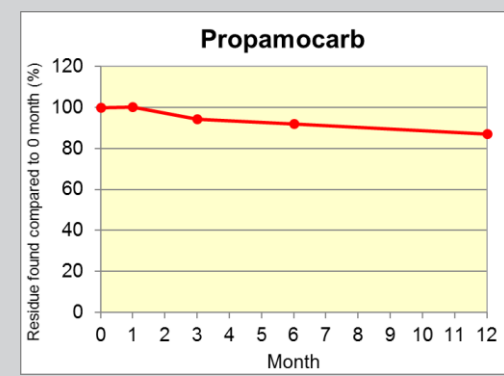
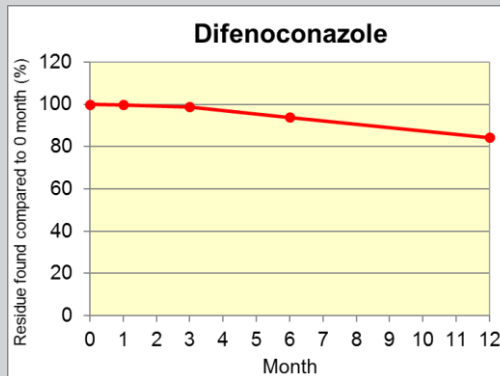
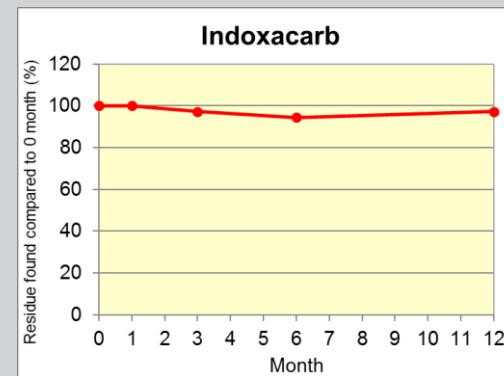
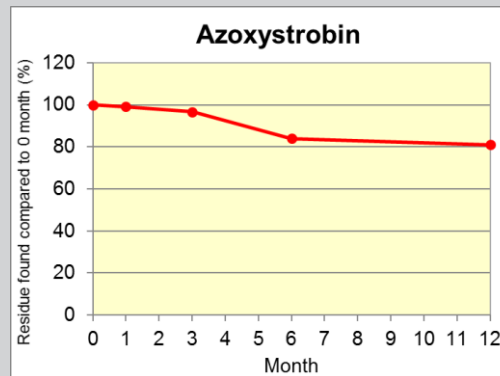


RFT Plan for New GRL Candidates

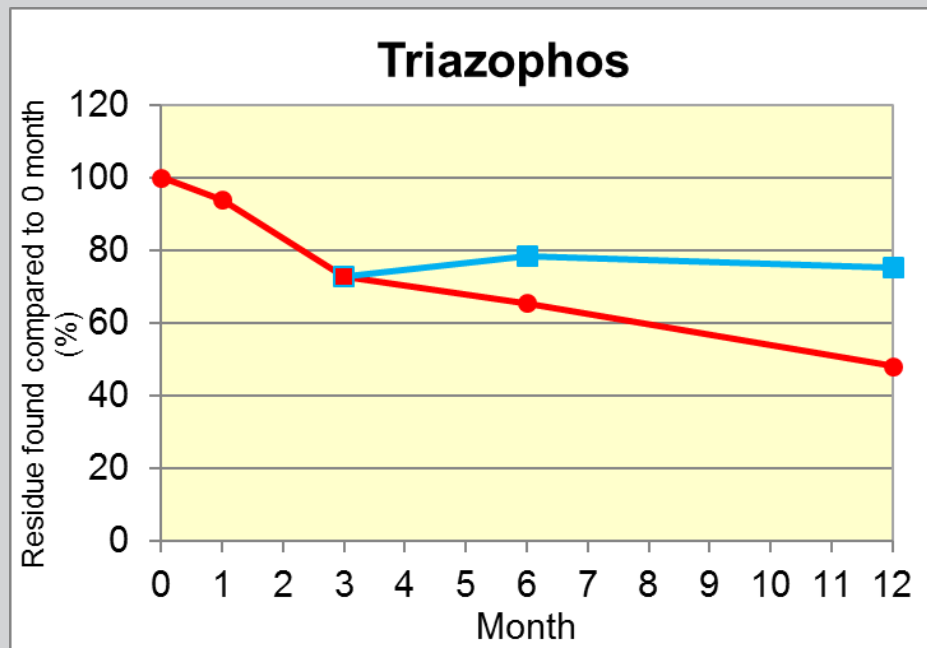
#	a.i.	Potential countries/Executors
1	Propiconazole	To be eliminated from the candidates if categorized as HHP*
2	Trifloxystrobin	Germany, Zimbabwe, Indonesia , (Switzerland)
3	Chlorfluazuron	Cuba, Indonesia (Japan)
4	Fluopicolide	Brazil, USA , Guatemala
5	Pyraclostrobin	Macedonia, Zimbabwe
6	Myclobutanil	(China, Japan)
7	Metolachlor	Argentina, Greece, Zimbabwe
8	Mandipropamid	Guatemala, USA, Indonesia

*: HHP; Highly Hazardous Pesticide

#	Pri	Active Ingredient	Degradation Study
1	1 st	Azoxystrobin	YES
2		Difenoconazole	YES
3		Indoxacarb	YES
4		Propamocarb	YES
5		Tebuconazole	YES
6		Chlorantranilprole	YES
7		Triflumuron	
8		Triadimefon/Triadimenol	YES
9		Ethion	YES
10		Triazophos	YES
11		Fenamidone	YES
12		Flubendiamide	YES
13	2 nd	Clothianidin	YES
14		Dicofol	
15		Teflubenzuron	YES
16		Iprovalicarb	YES
17		Spirotetramat	YES
18		Bitertanol	
19		Iprobenfos	
20		Thiacloprid	YES
21		Chlorfenapyr	
22		3 rd	Prothiofos
23	Quinalphos		

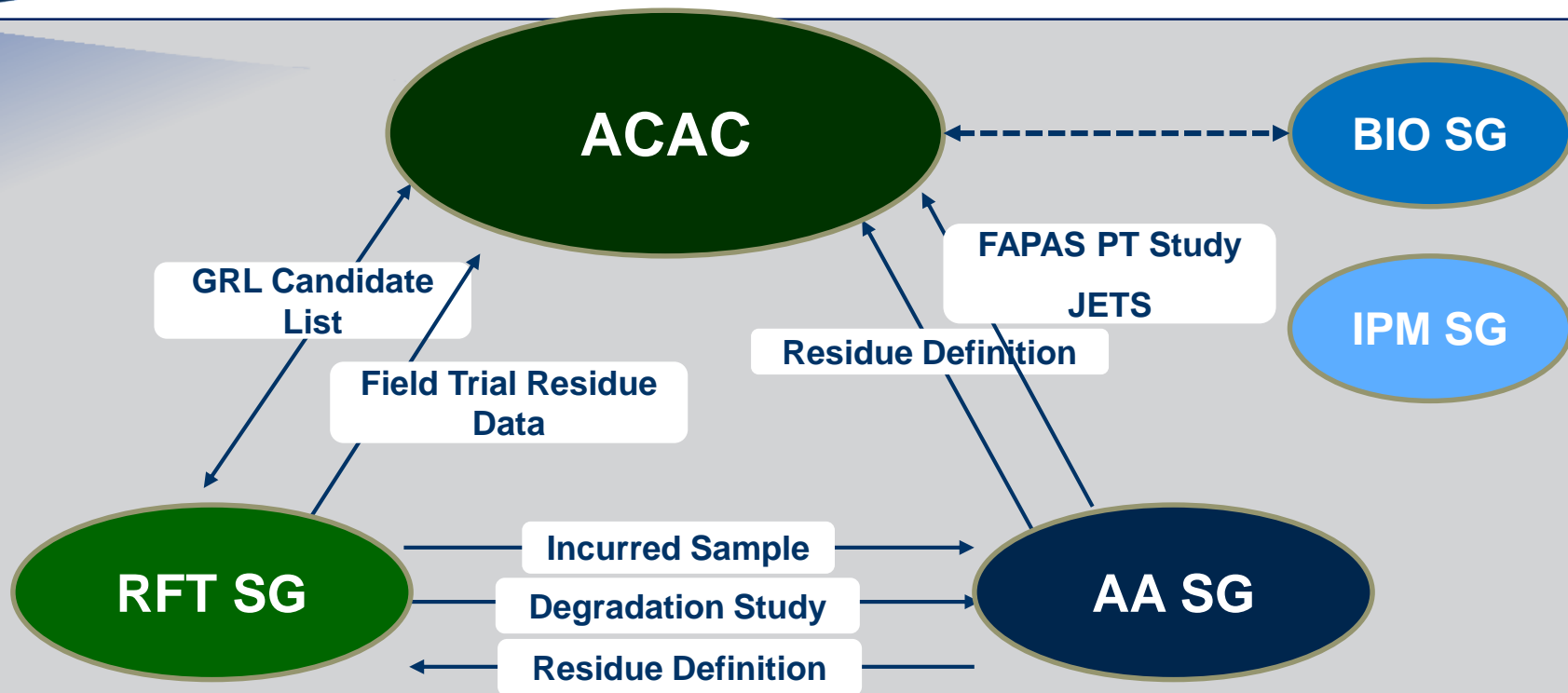


#	Pri	Active Ingredient	Degradation Study
1	1 st	Azoxystrobin	YES
2		Difenoconazole	YES
3		Indoxacarb	YES
4		Propamocarb	YES
5		Tebuconazole	YES
6		Chlorantraniliprole	YES
7		Triflumuron	
8		Triadimefon/Triadimenol	YES
9		Ethion	YES
10		Triazophos	YES
11	Fenamidone	YES	
12	Flubendiamide	YES	
13	2 nd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





Collaboration with other organizations





Acknowledgement

AOI (Brazil, Guatemala)

ARET (Malawi)

FAT (Italy)

Forsheim/Nicota (Germany)

ITC (India)

JTI/ADET (Brazil)

Jujuy (Argentina)

Michaelides (Bulgaria, Greece, Macedonia)

NCSU (USA)

JT LTRC (Japan)

Premium (Thailand)

SALTA/AOI (Argentina)

SOCOTAB (Turkey, Greece, Bulgaria)

Souza Cruz/BAT (BAT)

Sunel (Turkey)

Tabacuba Group (Cuba)

TRB (Zimbabwe)

UK (USA)

ULT (Mexico, Guatemala, Philippines)



Thank you!