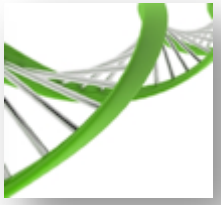
Insecticide Resistance Action Committee

IRAC – India Group




Agenda Briefing

IRAC india Community Meeting					
E.I. DuPont India Pvt. Ltd. GURGAON					
Date	**Duration**	**From**	**To**	**Particulars**	**Presenter/Lead**
23'rd , February, 2017	0:30	10:00	10:30	Agenda briefing and review of actions decided, Global IRAC Update	Rana
	1:30	10:30	12:00	Update on the Diamide usages pattern in crops and tolerance issue	All
	1:00	12:00	13:00	Crop wise Diamide usages guidelines fine-tuning	ALL
	1:00	**13:00**	**14:00**	**Lunch Break**	
	1:00	14:00	15:00	Development of Communication on Diamide resistance management	ALL
	0:30	15:00	15:30	Extension of IRAC Diamide group to Insecticides Group	ALL
	0:30	15:30	16:00	Development of Training Modules on Resistance Management	ALL
	0:30	**16:00**	**16:30**	**Wrap up and close**	

* We need to prepare the IRAC Lepidoptera Working Group - Annual Reporting of Country Group to be reported Global IRAC

Overview of Community

Lepidoptera Working Group

7 Companies – 14 members

Sr. no	Name Of Organisation	Name	From	e.mail ID	Contact No
1	Bayer CropScience	Gulshan Singh Rana	Marketing	gulshansingh.rana@bayer.com	9769722607
2	Bayer CropScience	KVV Satya	Technical	satyanarayana.kvv@bayer.com	9819442876
3	DuPont India	Sanjay Sharma	Technical	sanjay.sharma@dupont.com	91 9910216873
3	DuPont India	GURULINGAPPA, PAMPAPATHY	Technical	Pampapathy.Gurulingappa@dupont.com	9880311277
4	DuPont India	Nageshwar Rao	Marketing	Nageshwar.rao@dupont.com	
5	Syngenta India	Rajendra Deshmukh	Technical	rajendra.deshmukh@syngenta.com	8806660725
6	Syngenta India	N.Pazhanisamy	Technical	n.pazhanisamy@syngenta.com	9500933300
7	Syngenta India	DevendraBabu	Marketing	devendrababu.dasari@syngenta.com	7767999551
8	Dow AgroScience	Srigiriraju, Lakshmipathi (L)	Technical	LSrigiriraju@dow.com	8451047095
9	Dow AgroScience		Marketing		
10	Rallis india	G..N.Kendappa	Technical	g.kendappa@rallis.co.in	9972459565
11	Rallis india		Marketing		
12	Crop Life india	Mr. Brij Uberoi			
13	BASF	**Chandrashekhar Kulkarni**	Technical	chandrashekhar.kulkarni@basf.com	+91 7798980463

IRAC

Participant

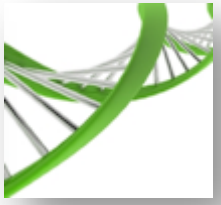
- **DuPont** - Sanjay Sharma , Gurulingappa Pampapathy
- **Bayer** - Gulshan Singh Rana, KVV Satya
- **Syngenta-** Rajendra Deshmukh,
- **Rallis India**- G.N.Kendappa
- **Dow Chemicals-** Srigiriraju Lakshmipathi
- **BASF** : Chandrashekhar Kulkarni
- **Crop Life India** – No

IRAC

Insecticide Resistance Action Committee

MOM and Action Decided




MOM

- IRAC Diamide action group is functional as " IRAC – Country Group
- Expand the horizon of IRAC country group by getting memebrship of other crop life India companies – FMC, Sumitomo , Indofil , Adama and shaw wallace
- Crop wise Diamide usages proposal was fine tuned for all the target crops (attached)
- Development of IRAC Country general poster to be released before season start
- The proposal to be prepared for mentioning IRAC group no on pack as well as in DFU's and forward to Regulatory committee for their consent through crop life
- Chilli and others key crops to be taken up for deciding diamide usages proposal in next meeting
- General resistance management training modules to be prepared and roll out in next meeting before season for sales teams of respective members organsiation

MOM

- MOA classification Booklet to be procure from Global IRAC and distribute among members
- Discussion with respective Company management for sharing Resistance Monitoring study in IRAC – Country platform
- Sponsoring Resistance monitoring study from Global IRAC – to be proposed
- Discussion on developing common kitty in IRAC – Country group for doing resistance monitoring study centrally – to be discussed with organization management individually and take it up in next meeting
- Prepare list of other chemistries like CNI to be considered for developing IRAC guidelines
- Agreed to have participation of marketing colleagues from respective companies in IRAC – Country group , Need to nominate the Marketing participant
- Decided to have next F2F meeting in Syngenta HO in mid May

Action _ Time line

Sr. No	Action	Responsibility	Time Line
1	Sharing MOM , Actions and Crop wise guidelines to members	Rana (Bayer)	1'st Week March
2	Sharing the proposal to marketing and revert back on concern	All	End March, 2017
3	Organizing Telco to resolve all concern and give final shape	Rana	Mid April , 2017
4	Developing IRM training modules – first cut	Srigiriraju(Dow	March end , 2017
5	Draft letter to be prepared for regulators	Srigiriraju(Dow	1'st Week March
6	Nomination of Marketing colleagues to rana	ALL	1'st Week March
7.	F2F Meeting – Syngenta Office	Rajendra Deshmukh	Mid of May , 2017
8.	Mail to Crop life for getting nomination of other crop life organization	Rana	1'st Week March

Review – Rice (Stem Borer)

- **Maximum two Diamide applications in a crop cycle, but limited to one generation of stem borer**
- In Rice two application windows were identified as follow

Windows – Transplanted Rice

  - Window 1: **up to 30 DAT** (days after transplanting)
  - Window 2: **40-60 DAT.**

- **DS the application 1: upto 40 DAS and application 2: 50-70 DAS**
- All the Diamide products should be used either in window 1 or in Window 2 but should not participate in both the Windows.
- Diamides should be promoted based on window approach only.

Review – Cabbage(Lep)

- Windows in the main field
  - Window 1 : 0- 20 DAT
  - Window 2 : 21-50 DAT
  - Window 3 : 51-80 DAT
  - *Window 4 :* ***Beyond 80***
- Diamides should be applied either in the '1st' and '3rd' window or in '2nd' and '4th' window.
- Within a window one can go for back to back two applications of Diamide
- Maximum Four applications of Diamide in crop cycle
- If participate in 4'th window , not to participate in 1'st window of succeeding crop
- For effective pest management, use alternate mode of action chemistries
- No application of Diamide is recommended in Nursery

Review – Egg Plant(S&F Borer)

- Windows in the main field
  - Window 1 : 0- 40 DAT
  - Window 2 : 41-70 DAT
  - Window 3 : 71-100 DAT
  - *Window 4 :101 – 130 DAT*
  - *Window 5 : Byond 130 DAT*
- Diamide should b applied only in alternate windows
- Within a window one can go for back to back two applications of Diamide
- Discourage Diamide usages in last application window , in case if used , should not be used in first window of the next crop in same field

Review – Tomato (Lep including Tuta)

- Windows in the main field
  - Window 1 : 0- 40 DAT
  - Window 2 : 41-70 DAT
  - Window 3 : 71-100 DAT
  - *Window 4 :101 beyond*
- *Diamide should b applied only in alternate windows*
- Within a window one can go for back to back two applications of Diamide
- Discourage Diamide usages in last application window , in case if used , should not be used in first window of the next crop in same field

Review – Pigeon Pea (Lep including Maruca)

- Windows are identified as follow
- Flower bud initiation(zero day) is considered as start of first window
  - Window 1 : 0-30 days
  - Window 2 : 30-60 days
  - Window 3 : 61 beyond
- *Diamide should be applied only in alternate windows*
- Within a window one can go for back to back two applications of Diamide

Review – Chick Pea

- For management Helicoverpa armigera, (Pod borer) and Spodoptera Exigua , maximum two applications of Diamide are allowed in crop life period
- No consecutive applications of Daimide
- Water volume usages as recommneded
- Use recommended label dose

Review – Black gram and Green Gram

- For management Maruca (Pod borer) and Spodoptera litura , maximum two applications of Diamide are allowed in crop life period
- No consecutive applications of Daimide .
- Use alternative MOA chemistry
- Use recommended label dose
- Use Water volume as recommended

Common Guidelines

- Use as per label recommendation only
- Don’t use under/Over dose at any circumstance from label recommnedation
- Go with window approach only and use alternate chemistry in alternate window
- It is advisable to use recommended water volume
- All the promotional material of member companies should disseminate the same message related to this subject crop wise as decided
- IRAC common communication material will be on the similar lines for Rice
- For effective pest management, use alternate mode of action chemistries

Common Action Area's

- All the stake holders agreed for separate communication material for transplanted and Direct seeded Rice
- Develop communication plan for Rice, Cabbage, Egg Plant, Tomato, Red gram and Bengal Gram before the next season (Technical communication done)
- Should involve communication managers of all the stake holder companies in the communication material preparation
- Common communication on Resistance management strategy for trade partners / customers through crop life . The IRAC group will develop the communication . The draft will be prepared and decided in next meeting
- It is advisable to Share the promotional literature with India IRAC Diamide group
- Any deviation from the aligned / agreed guidelines should be brought to the table of IRAC Diamide group

Country "R" Action Group Progress:

1. Understand Objectives
2. Meet and Organize
3. Review Antitrust
4. Review Global Guidelines

5.Select High Risk Insects & crops
6.Develop Plan to Communicate MOA
7. Develop IRM Guideline Plan by Crop
8. Develop Communicate & Educate Plan

9.Act if "R" Occurs
10. Implement 6, 7, & 8-Train/Apply
11. Work on more pests & crops
12. Transition from Diamide to IRM WG

Thanks for your participation

&

Valuable suggestions