



Insecticide Resistance Action Group

**Minutes for the 49th meeting at AHDB Offices, Stoneleigh
Monday, 12th December 2022
10:30 am start**

Current members

Bean	Chris	(Zantra)
Cheesman	James	(Certis-Belchim)
Collier	Rosemary	(WCC) (Chair)
Collins	Larissa	(Fera)
Croft	Pat	(CRD)
Denholm	Ian	(Herts Uni)
Foster	Stephen	(Rres)
Hight	Fiona	(SASA)
Hillman	Siobhan	(AHDB) (Secretary)
Hilton	Rebecca	(Corteva Agriscience)
Jones	Gareth	(FMC)
Lankford	William	(ADAMA)
Martin	Gareth	(BASF)
Morris	Reuben	(Frontier)
Newbert	Max	(Syngenta)
Parsons	Chris	(Bayer)
Pope	Tom	(Harper Adams)
Wamonje	Francis	(NIAB)
Self	Marion	(AICC)
Slater	Russell	(IRAC)
Stevens	Mark	(BBRO)
Wallwork	Chris	(Agrii)
White	Sacha	(ADAS)

1. Welcome

James Cheesman who is taking over from Adrian Sisson

Francis Wamonje who is taking over from Bethan Shaw

Pat Croft who is taking over from Sue Mattock

William Lankford who is taking over from Andrew Bailey

Representative from Defra - Dr Catriona McCallion (Strategic Engagement Lead – Pesticides and International).

2. Apologies

Mark Stevens, Russell Slater

3. Minutes of last meeting/matters arising

Actions raised at the previous meeting

All- feedback to SM on what other information needs adding to the EPPO resistance database (see circulated spreadsheet attached to this email). Ongoing – to be discussed in this meeting. See meeting notes and actions.

RC- approach SF about what resistance evidence has been recorded by Rothamsted and what can be used to support the EPPO database to have new species added. Ongoing – to be discussed in this meeting. See meeting notes and actions.

RS- provide a list of which headings need filling for a reference to be published on the EPPO database. Ongoing – to be discussed in this meeting. See meeting notes and actions.

RS- share the preview of the new IRAC module with TP, RC and BS to help with material content for the BASIS module. Ongoing – to be discussed in this meeting. See meeting notes and actions.

RC/TP/BS- draft the headings and a brief outline of content for the online module and discuss with RS to see what existing IRAC material can be used. Ongoing – to be discussed in this meeting. See meeting notes and actions.

SH- confirm if they can host the next meeting at the AHDB. Complete

BS- circulate a doodle poll for a date once venue has been confirmed. Complete

All- feedback on meeting minutes within two weeks of receiving them, ensuring they can be added to the website Complete

Action for next meeting: to discuss how the IRAG resistance matrix should be shared between members and what should be made public to notify interested parties of possible development of resistance.

4. Feedback from IRAC (RS) (10 mins)

There was no update presented at the meeting.

5. Regulatory issues (PC/CM) (15 mins)

PC – No regulatory updates as CRD are currently waiting for direction from the government.

What additional information is required for the EPPO database? (see section 7.)

6. Update on National Action Plan (Defra representative)

ACTION – CM to provide an organogram of the various teams in DEFRA to IRAG members.

ACTION – CM/RC to identify a new DEFRA representative for IRAG.

7. Resistance matrix – and see action above.

The group agreed that it would be beneficial to understand the criteria for which cases of resistance are included in the EPPO database. It is understood that the EPPO database requires a higher standard in confirmed cases of resistance on their database, whereas the IRAG resistance matrix is much less formal and includes both confirmed cases and suspected cases of resistance. There were some concerns that cases that have been validated as resistance have not made it onto the EPPO database. PC suggested using the IRAG meetings as a platform for discussion between members and suggestions of what to include in the EPPO database. The group would like to confirm how EPPO classify how and when something becomes 'resistant'. It was noted that the IRAG matrix identifies confirmed cases by red highlighting. The group agreed that the confirmed cases of resistance in both the EPPO database and the IRAG matrix need to be synchronised so both parties aren't sending out different messages.

ACTION – CW to pull out 'red' cases into a list and circulate to IRAG members.

ACTION – SW to have a look for evidence backing up historic records of resistance.

Agenda item for next meeting – how does the group communicate a confirmed list of resistance from the IRAG matrix with EPPO?

8. IRAG output (5 mins)

IRAG training module for BASIS points.

In the previous meeting BS/TP/RC volunteered to lead this item. SW to replace BS as BS has left the group. There was a suggestion that this work could be incorporated into an undergraduate or master's project.

ACTION – TP/RC/SW to continue progressing this action point.

The IRAG fact sheets were briefly discussed and the group agreed that these should be checked to make sure that they are up to date.

ACTION – SW to check how up to date IRAG arable fact sheets are.

ACTION – RC to check how up to date IRAG brassica (etc) fact sheets are.

9. AOB

- Membership:
 - DEFRA representation
 - RC to continue pursuing this item (see action above).
 - Simon Jackson to take over from Max Newbert (Syngenta)
- Information from CHAP (Andy Evans) – RC

CHAP is currently doing a survey using high throughput sequencing to detect insecticide resistance. Particularly, they want a 'proof of concept' on aphids. If any of the members are interested or would like more information, then RC can provide contact details of CHAP representative.

- Announcements

ID is retiring from IRAG membership. The group expressed their great appreciation for all he has done to support IRAG over the last 25 years.

- Date for next meeting - meeting format: one online and one face to face meeting each year. Suggest the November meeting is face to face. Online meetings to start earlier (9:30 not to clash with school runs?). Do we want to celebrate our 50th meeting?

The group agreed that as the next meeting is the 50th meeting of the group that the spring meeting would be in person and the winter meeting online in 2023. It was suggested that for the 50th meeting the group should do something to celebrate the achievement – group picture/article celebrating the group. PC offered to host the 50th meeting at CRD.

ACTION – (ALL) members to suggest ideas for celebrating IRAG's 50th meeting.

ACTION – PC to confirm if they can host the next meeting.

ACTION – SH/RC to contact ID for complete pdf set of minutes from IRAG meetings.

- CW raised concerns over the situation with available control options for lepidopteran pests. Loss of control options has been due to a combination of things (legislation/resistance/commercial).

Actions raised at this meeting

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