



Insecticide Resistance Action Group

**Minutes for the 48th meeting hosted on Teams
Wednesday, 27 April 2022
10:30–12:00**

1. Welcome

Siobhan Hillman is the new representative from AHDB.
Pat Croft who is sitting in for Sue Mattock.
Stuart Harder who is sitting in for Adrian Sisson.

2. Apologies

Ian Denholm, Gareth Jones, Sue Mattock, Adrian Sisson, Rebecca Hilton, Mark Stevens, Steve Foster, Andrew Bailey.

3. Matters arising from previous minutes/action

Minutes will be added to the AHDB website shortly after the meeting, so prompt feedback on the draft minutes would be appreciated. We will highlight sections which will not be added to the public domain.

A letter was received from Victoria Prentis in response to IRAG's communication of industry concerns on the loss of the AHDB Horticulture and Potatoes. Details were shared for 'Ian Smith' ian.smith2@defra.gov.uk who is keen to engage with industry members on the situation and is seeking feedback. He can be contacted directly. A copy of the letter from V. Prentis can be requested from RC.

FH approached the Scottish government to see if the *M. persicae* clone survey in Scotland could be resurrected. While it is not currently funded, it is due to be discussed at an upcoming meeting.

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

Modification and updates for the smartphone app "Global resistance management" to help with MOA classification. Now combined with other action groups and more accessible to users.

Some changes in MOA classifications but not currently impacting UK. New MOA for rice pests in Asia. New groups added to 33 and 34. New group 35 for RNAi which is a first (technology developed to target Colorado beetle). New guidelines have been developed for the use of group 30 which can be downloaded from the IRAC website.

A document of how to establish resistance monitoring programmes is under development, including where to sample populations from, how many samples are required and other key questions. The document will be circulated once finalised.

A new training module is in production which follows on from the basic introduction to resistance management. This new module discusses how to develop a resistance monitoring programme with a step-by-step process of building a resistance management programme for a range of crop types. Once finished it will be available on the IRAG website.

5. Regulatory issues (PC) (15 mins)

Money provided to support a small R&D project on resistance in glasshouse crops. Will ask the leader of this project if results can be fed back to IRAG once the research project has been completed.

Updates and notifications for new incidences of resistance in UK species is required for the EPPO database. As much information as possible is required including verification from an accredited source for it to be confirmed as viable evidence. Evidence gathered by IRAG group members could be used as evidence as members would be classed as a reputable research group. *CW- could we use the IRAG resistance matrix as a foundation for evidence? PC- not unless evidence has been collected of verification. CP-Is there a need for the IRAG resistance matrix and the EPPO database? CW- yes as the IRAG matrix can be used as a platform to raise UK concerns and keep track of resistance on the horizon while the EPPO database has the confirmed cases.*

EPPO are hoping to host a resistance workshop next year but dates and content are yet to be confirmed.

6. IRAG output (30 mins)

IRAG training module for BASIS points.

RC and BS have been in discussion with members of the BASIS online classroom team to discuss the development of a resistance management module. BASIS have stated an interest in this topic from a horticultural perspective (due to many of their current modules focusing on cereals). Feedback was given by other IRAG members on possible content of the module and how it could be approached. *Myzus persicae* was suggested as a good example pest due to the wealth of information available. TP will join RC and BS in drafting the topic headings and a rough outline of content prior to discussion with RS. RS will advise if material is already produced via IRAC to prevent duplication. IRAC are able to provide content at their discretion but all modifications need to be approved prior to use.

7. AOB

- Membership:
 - Sue Cowgill has left the AHDB – replacement is Siobhan Hillman
 - DEFRA representative has not yet been identified

Meeting format: members agreed to one online and one face-to-face meeting each year. Suggested the November meeting is face to face and SH (AHDB) has offered to host but needs to confirm. CRD offered to host in York if AHDB are unable to do so. Future online meetings will now start earlier (9:30 not to clash with school runs).

8. Date for next meeting

BS to circulate a doodle poll once host has been confirmed. Expected to be in November 2022.
Booked to be hosted by AHDB in Stoneleigh 24th November 2022.

Actions raised at this meeting

All- feedback to SM on what other information needs adding to the EPPO resistance database (see circulated spreadsheet attached to this email).

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.

RS- provide a list of which headings need filling for a reference to be published on the EPPO database.

RS- share the preview of the new IRAC module with TP, RC and BS to help with material content for the BASIS module.

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.

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

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

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

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.