

Fungicide Resistance Action Group-UK

FRAG - UK



FRAG-UK 53rd Meeting
10:00-12:00 on 30th November 2023
Via Teams, link sent to members emails

Minutes

Present	
Chair	Fiona Burnett (SRUC)
Secretary	Mike Grimmer (ADAS)
Members	Przemyslaw Kowalski (BASF) Aoife O'Driscoll (NIAB) Jock Willmott (AICC) James Cheesman (Certis Belchim) Thomas Fleming (AFBI) Steven Kildea (Teagasc) Jason Tatnell (Syngenta) Craig Chisholm (Corteva) Femke van den Berg (Fera)
Guests	Nichola Hawkins (NIAB) Deborah Jarratt (HSE) Rachel McGauley (AHDB)
Apologies	Neil Paveley (ADAS) Andy Bailey (Adama) Richard Dyason (NuFarm) David Howard (AIC) Greg Kemmitt (FRAC) Peter Noal (Bayer) Judith Turner (FERA) John Clarkson (Warwick) Catherine Harries (AHDB)

Anti-Trust guidelines were circulated prior to the meeting

1. APOLOGIES FOR ABSENCE

Andy Bailey, Catherine Harries, Dick Dyason, Greg Kemmitt, Neil Paveley, Peter Noal, John Clarkson, David Howard.

Apologies from Judith Turner who offered her resignation, with Femke van den Berg proposed to join in her place. FRAG-UK would like to offer thanks to Judith for her friendship and support.

2. INTRODUCTION OF NEW MEMBERS/VISITORS

Visitors: Nichola Hawkins, NIAB; Deborah Jarratt, HSE; Rachel McGauley, AHDB. New members: Craig Chisholm (Corteva); Femke van den Berg (Fera).

3. NOTICE OF ANY OTHER BUSINESS

None

4. CONFIRMATION OF PREVIOUS MINUTES

Confirmed – previous actions completed

5. ACTIONS FROM PREVIOUS MEETINGS

FB to discuss core guidance documents with CH – **DONE**

MG to update Cereal Guidelines – **DONE**

AB to check apple and pear guideline – **DONE**

FB to check whether Faye can update Potato Guidelines – **DONE**

FB to check whether Faye can help update OSR Guidelines – **DONE**

MG to check whether BBRO can help with Sugar Beet Guideline – **DONE**

FR + NP to consider position statement for CAA use for potato blight – **DONE**

MG to organise next meeting via Teams – **DONE**

6. FRAG-UK GUIDELINES/ADVICE

6.1 Soft Fruit Guidelines

- Updated guidelines on AHDB website; no further update needed for 2024

6.2 Update Cereal Guidelines

- To be updated for 2024 **ACTION MG**

6.3 Apple and Pear Guidelines

- No further update needed for 2024

6.4 Others (OSR, pulses, potatoes, sugar beet, grass/turf)

- Potato guidelines need revisions **ACTION WORKING GROUP** (see below)

- OSR guidelines to be updated for 2024 **ACTION FB**
- Pulse Guideline to be updated for 2024 **ACTION AOD**
- Sugar Beet Guideline to be prepared for 2024 with BBRO support **ACTION MG**

A Working Group will update the Potato Guideline for 2024. This will be led by Faye Ritchie, with support from Steven Kildea, James Cheesman, Craig Chisholm and Jason Tatnell.

6.5 Strategic messages for 2024

- the focus will be on potatoes, following further discussions on messaging

7. UPDATE ON CURRENT RESEARCH

- SK presented an update on the situation regarding Septoria sensitivity, including results from work with European collaborators. S524T nearly fixed in Ireland but variable across Europe. C-T79N around 30% in Ireland, less than 10% in rest of Europe. C-N86S 64% in Ireland, up to 50% in rest of Europe. C-H152R less than 5% across Europe. Seeing more complex haplotypes in recent years. Observed differences by latitude in Ireland for SDHIs and azoles. Seeing efflux mechanisms in combination with different mutations for azoles. Discussion around keeping track of haplotypes and nomenclature; agreed to discuss in more detail at next meeting. **ACTION MG** to include an item on the agenda.

- NH presented on fungicide sensitivity testing for Septoria. Observing complex haplotypes for azoles including deletions, overexpression and point mutations. No further azoles shifts in early season 2023. Complex cross resistance patterns observed across years. For SDHIs, last season C-H152R and double mutations were the least sensitive. Early season 2023 observing more isolates at the top end of EC50 for bixafen; these will be sequenced. Early season 2023 all within baseline for Qils.

8. RESISTANCE IN THE UK

- PK updated on BASF 2022 monitoring results. Findings for SBIs as follows. Limited shift observed for Cercospora; target site mutations. For light leaf spot 22 isolates were found to be less sensitive than in 2018/19. For Septoria a slight shift was observed before market introduction; now a stable situation. Stable situation for brown rust and for Rhynchosporium. Field efficacy relatively good for Ramularia. Findings for SDHIs as follows. Full sensitivity observed for light leaf spot. For Septoria, UK, Ireland and Netherlands above baseline compared with rest of Europe but 2022 similar to previous years in UK and Ireland. For wheat brown rust observing an increasing frequency of moderately adapted isolates, other isolates under investigation. Wheat mildew sensitive. For net blotch the wild type was in the minority in Western Europe. For Rhynchosporium a few isolates observed with higher EC50 in Northern Spain, UK and Ireland sensitive. Seeing higher frequency of resistant isolates for Ramularia. Findings for Qols as follows. Light leaf spot and brown rust fully sensitive. For net blotch stable situation with F129L in UK (~50%) and Ireland (~85%). For Rhynchosporium pyrosequencing for F129L/G143A identified one isolate in 2021 but none in 2022.

9. UPDATE FROM COMPANIES

None

10. FRAG-UK WEBSITE / TEAMS GROUP UPDATE

Website will include new guideline and core guidance. **ACTION FB** – circulate core guidance document including definitions.

11. LIASION WITH OTHER GROUPS

Henry Criessen (SRUC) updated Norbarag on FRAG-UK aims and objectives. FB updated on FRAG-UK in New Zealand.

12. Future events and publicity

- FRAG-UK including guidelines could be promoted at Cereals
- Combined approach needed to get potato messaging out to key groups

13. AOB

None

14. Date and Venue of next meeting

All agreed that we would have an in-person meeting in York on 19th, 20th (preferably) or 21st March, preferably at CRD with Fera as a back-up. **ACTION MG** – send out meeting date confirmation.