

Fungicide Resistance Action Group-UK

FRAG - UK



FRAG-UK 49th Meeting
10.00 to 13.00 via Teams
(13.00 – 14.00 in addition and only if required)
Link

Agenda

Anti Trust guidelines to be circulated

1. APOLOGIES FOR ABSENCE

Anti- trust guidelines circulated in advance

Apologies received from Faye Ritchie, Bart Fraaije and Iulia Kavalova

2. INTRODUCTION OF NEW MEMBERS/VISITORS – planned visitors Faye Ritchie, ADAS. Robert Saville AHDB, Stuart Harder Belchim, Jonathan Helliwell BASF. New members Aoife O'Driscoll NIAB and Iulia Kavalova, Corteva

New members welcomed.

ACTION: New members to send in a brief paragraph outlining their background and relevant experience

3. NOTICE OF ANY OTHER BUSINESS

Please inform the Secretary/Chair of any items to be raised under AOB

KM requested an update on CRD personnel changes. See AOB

4. CONFIRMATION OF PREVIOUS MINUTES

ACTION: JT to add final paragraph prior to issuing

Previous minutes were accepted pending the modifications above. JOC

requested future FRAG minutes refer to 'fenpicoxamid' rather than the ai brand name 'Inatreq'.

5. ACTIONS FROM PREVIOUS MEETINGS

5.1 Refer to minutes

ALL

ACTION: An update of the FRAG constitution/members list was carried over from previous meeting. FB to circulate.

Faye Ritchie is currently updating the OSR guideline

Turf: Ruth Mann was emailed to ask if she would review the current guideline but no response has yet been received. **ACTION:** FB to chase

S Beet guideline: No response has yet been received from MS/BBRO.

ACTION: FB to chase

EPPO resistance list: **ACTION:** KM to check but no progress

6. UPDATE FROM FRAC - GK sends apologies so no update GK
Next FRAC meeting in 2022 to be arranged for a date GK can make.

ACTION: FB

7. FRAG-UK GUIDELINES/ADVICE

7.1 Soft Fruit Guidelines LC

FB/LC thanked CL for her valued help in updating these guidelines.

QoI Strawberry P mildew

Morpholine references removed

QoI guidance discussed and left unchanged

Multisites guidance discussed and left unchanged

SDHI guidance for Botrytis was discussed and accepted as modified (resistance status changed to 'moderate to high')

Raspberry root rot

Dazomet revocation to be reflected in changed guideline text.

Raspberry yellow rust

DMI wording to be modified to take account of documented rust resistance cases. Guideline to note however that there has been no loss of DMI efficacy seen in soft fruit to date.

NB stated that basidiomycetes and specifically Yellow rust were low risk pathogens with regard to resistance development (source, M Grimmer review)

Blackcurrants

Cladosporium to be ignored as a secondary pathogen at best in this crop

ACTION: LC to circulate a final pdf ahead of live posting.

7.2 Update Cereal Guidelines post BC FB

Discussion was had on the need for an update to this guideline as well as timeline and responsibilities therefore.

KM commented an update was needed due to the lack of Qil inclusion in current version.

NP volunteered M Grimmer to undertake this task

ACTION: NP to discuss with MG on timelines and help.

RS suggested Catherine Harries could support MG from the AHDB side in future years after return from maternity leave.

JOC suggested companies help with updating info on their own ai's (accepted).

7.3 Apple and Pear Guidelines LC

AHDB and specifically CL help acknowledged again. Text added from AHDB apple best practice guide.

P2 now references EAMU only approvals and indicates users must have a copy of the relevant EAMU before use.

ACTION: LC to check relevance of this statement for soft fruit guideline.

Apple canker

Update to text on alternative hosts discussed and accepted. Minutes hereby record source of info as WUR, NL

Tebuconazole now only approved via EAMU at 1 application per year post harvest. Guidance to be reduced accordingly from the current 2/year. Users to check EAMU text.

Scab

Alteration to wording on QoI resistance to be introduced to indicate 'likelihood' of resistance in UK based on recorded incidence in FR/DE etc despite lack of direct proof of resistance in the UK.

Mildew

Discussion took place on the need to reference SDHI use on this disease. RS reminded the group of previous AHDB funded work with A Berry at East Malling looking at ai/products available in this market.

ACTION: RS to unearth report and send to LC.

Discussion was had on the relevance of Potassium bicarbonate for Mildew control and Karma labelling

AO'D suggested checking LUNA brands in addition

ACTION: JOC to check all relevant brands

Botrytis

Discussion was had on terminology standardisation ref biologicals/biofungicides/biocontrols. Agreement was reached to refer to 'biofungicides' within this guideline.

Discussion took place on the practical utility of Nexy (1) approval in the UK RS suggested looking at A Berry work once more.

A general drift away from post-harvest uses has been reported (RS).

The decision was made to continue to include reference to Nexy (1) due to its standing approval.

Pre harvest sprays: Bellis wording to remain unchanged and Pomax to be added RS suggested adding Geoxe reference.

Penicillium rot

Nexy 1 statement to be included with reference to post harvest drench approval.

Pre harvest: Geoxe to be added

Gleosporium rot

Pomax to be added.

RS suggested adding Geoxe reference.

Need for reference to Nexy 1 to be confirmed

Product Table:

Reference to 'biologicals' to be changed to 'biofungicides' as above.

Remove mention of post-harvest drench with pyrimethanil and add Nexy 1?

There are no longer any paint or paste tmts approved

ACTION: LC to circulate pdf after referenced checks and updates made.

7.4 Others (OSR, pulses, grass and turf)

See notes under minutes of last meeting.

7.5 Strategic messages for 2021 /22

All

Refer to NP resistance section below

RS requested a messaging update for the AICC December conference.

MT requested similar

8. UPDATE ON CURRENT RESEARCH

All

8.1 Update on Concurrent Resistance project

NP

Final report submitted to AHDB. 40 field trials + modelling PhD

FRAG views were sought on the report final conclusions

Results were summarised by NP. See final report/ppt conclusions

Discussion took place on the project findings:

There was general acceptance of the report conclusions by FRAG

FB proposed an update for the AHDB website ahead of next season to put out key messages.

NP suggested debate with FRAC/Regulators was appropriate in deciding if further flexibility in guidelines was justifiable in some circumstances.

MT posed a question on the practicalities of stating the need for an 'effective' partner for resistance management. NP welcomed forthcoming new chemistry in this regard

DE asked for guidance on the benefit of multisites when protectant/curative status is unknown. NP stated that partner effectiveness is the key – i.e as long as a partner acts in slowing the epidemic when the ai at risk is having its effect then the resistance management partner is fulfilling its purpose. Multisites are no different to single sites in this efficacy regard but are guaranteed to continue contributing this benefit for longer.

JT asked if 'effective' partners can be mixtures in themselves. NP confirmed this can be the case.

JT asked if there was any intrinsic value to multisites beyond the efficacy / epidemic suppression described above. NP replied that multisites are a 'win with no loss' in selection terms. i.e. a single site resistance management partner will in itself select for resistance.

8.2 Update from researchers – please offer

None

9. RESISTANCE IN THE UK

Update on company monitoring/sensitivity testing

None

10. UPDATE FROM COMPANIES

Opportunity to provide the group with a technical update on any new product approvals

KM: Update delayed from March on fluopyram approval in potatoes. **ACTION:** KM to provide explanatory paragraph.

11. FRAG-UK WEBSITE UPDATE

RS reported that AHDB are converting documents to be available within a searchable knowledge library. FRAG guidelines will remain outside this as they are third-party material in this regard, however AHDB are keen to present data from them within their own material.

ACTION: All to check Fungicide Futures material to ensure FRAG messaging remains intact.

LC expressed concern that knowledge transfer capability may be negatively affected by the windup of some areas of AHDB work.

RS responded that AHDB are creating frozen 'legacy' websites for areas under windup. Long term maintenance of these legacy sites is an open question. Exact location of these sites also to be confirmed.

ACTION: RS to work with AHDB legacy working group to ensure RAG pages remain accessible and editable.

12. LIASION WITH OTHER GROUPS

ACTION: FB to share final 48th FRAG Minutes to NORBARAG and NL contact Minutes routinely shared with FRAC

13. Future events and publicity

MT: AICC conference in early Jan will remain online.

14. AOB

EPPO resistance database update JO
Database now publicly available. EPPO working with countries to expand availability. **ACTION:** JOC to provide weblink.

CRD planning to update general guidance on resistance 606 and fungicide warnings and restrictions 603 at : [Efficacy Evaluations and Guidelines \(hse.gov.uk\)](http://www.hse.gov.uk) JO
Guideline 606 will in future refer to relevant EPPO standards as the latter are more recently updated. CRD material will also cross reference FRAG guidance to keep up to date where relevant.

Additional items raised on the day:

a) CRD structure and personnel.

Update from JOC:

Retirements and job moves have led to significant personnel change:

Sue Mattock new head of team, formerly insecticide specialist.

New specialist Tony Fisher recruited

5 new staff working on PP and 2 on biocides.

b) RS raised a question on artwork for AHDB cereals 21 guide.

ACTION: AOD to check.

c) AOD kindly put her wider horticultural experience at the disposal of FRAG.

d) FRAG would like to take this opportunity to permanently record its fulsome thanks to former member and driving force Bill Clark, for his immeasurable contribution, many years of dedicated service and active participation in the group, and to the wider agricultural sector in the UK.

ACTION: FB to pass on the groups thanks in a personal email

Options for the Sec role/duties

FB

No permanent secretary is available within current FRAG membership. FB appealed to members to put forward names from within their organisations should suitable personnel be willing and available.

15. Date and Venue of next meeting

Proposal for virtual meeting next March. **ACTION:** FB to circulate doodle poll.