

BCPC Pest and
Beneficials Expert Group:
Current and future strategies for managing pests.

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The Role of BCPC Pest and Beneficials Expert Group

BCPC

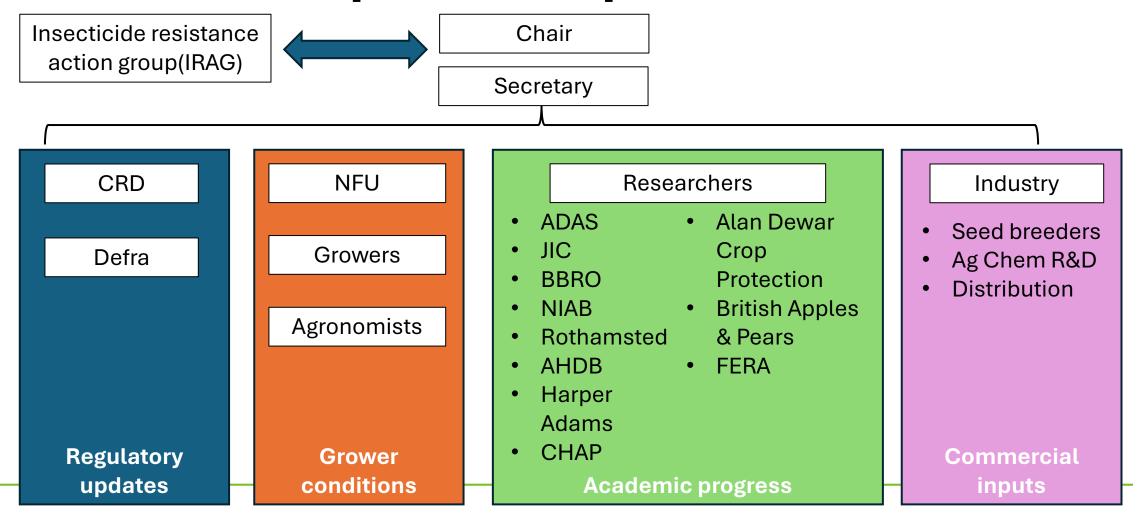
- Bridge between research and practical farming.
- Knowledge exchange platform.
- Annual Review, plus interaction with legislation bodies.
- Monitoring and tracking pest trends.
- Identifying research priorities.
- Promote younger career researchers.
- Collaborative approach to generate new IPM solutions.
- ~4 meetings annually of the working group.





The Role of BCPC Pest and Beneficials Expert Group





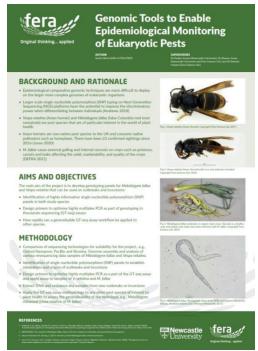
BCPC Pest and Beneficials Annual Review

- 10 annual reviews conducted.
- ~350 invites annually (industry and growers).
- Annual attendance ~70 people in person.

Previous Reviews:

- 2025 Mind The Gap: Managing pests with a decreasing choice of chemical options.
- 2024 -What the SFIs mean for IPM.
- 2023 IPM bringing it together.





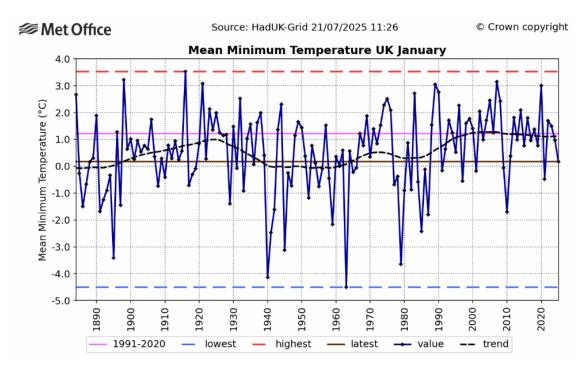
The Situation in the UK



- Current challenges in UK pest management:
 - Reduction in active ingredients to control insects.
 - Resistance issues.
 - Warming climate.
- The "perfect storm": reduced chemical options, climate change, emerging pests.
- Economic pressures on farmers.
- SFI confusion.
- Food security implications.
- Benefits possible precision breeding techniques, could provide help with viruses in particular.

UK - Mean daily minimum temp

January



Emerging Pest Issues











*Dewar, Alan M., and Tim Martin. "The First Record of Tortoise Beetle Damage to Sugar Beet in the UK: Is Global Warming Responsible?." *Outlooks on Pest Management* 32, no. 4 (2021): 158-161.

IPM solutions

- Growing new BYDV resistant varieties of Wheat and Barley.
- Increase in companion cropping for pests such as Cabbage Stem Flea Beetle or trap crops around fields to distract pest or reduce non-persistent virus transfer.
- Changes in cultivation and rotation to reduce pest pressure and increase crop vigour.
- The use of pheromones and beneficial insects even in open field conditions.
- Increase use of DSS support tools to predict outbreaks or seasonal pressure to inform spray programmes.

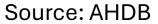
Future alternatives:

- Endophytic organisms.
- RNAi.
- Precision application.















Challenges



Resistance.

Regulatory impact on tools available.

Changing climate and pests.



Building for the Future



- In 2025, the Pest and Beneficial group pushed to ensure we had younger members in the consortium.
- The new Secretary, Charles Griffiths, an early career Pathologist from NIAB.
- Each review the Pest and Beneficial expert working group organises has a session for PhD and early career researchers.
- We also interact with education bodies within the industry such as BASIS passing on new information to include in their training.

Current projects from P&B Expert group members



- Slug and CSFB IPM approaches JIC, Haper Adams, ADAS.
- Wireworm research understanding the pest FERA.
- Landscape connectivity on agroecosystem sustainability NIAB.
- Involvement within the UK insect resistance monitoring work.
- Biocontrol measures implementation and their effectiveness.
- Current discussion within the group on how to support the industry in the future, with the legislative process of getting predatory species (such as parasitic wasps) registered more readily for the UK market.
- Promote output from studies looking at the changing regulatory landscape on UK agriculture and effective IPM approaches.



Tom Pope – Harper Adams

Looking ahead



- Building resilient agricultural systems involving the growers and the wider industry.
- Future research priorities driven by UK needs.
- Supporting the next generation to ensure this work continues.

Please reach out if you want to know more or be involved.

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Thank you for your attention attention

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