BCPC Pest and Beneficials Review

The trials, Tribulations and Successes of IPM in the field

26th January 2022

Cathryn Lambourne
Knowledge Transfer Manager
Innovate UK KTN
Introduction to Innovate UK KTN
Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking - accelerating ambitious ideas into real-world solutions.

Innovate UK KTN is part of the Innovate UK Group – the UK’s innovation agency.
Our Team

200 colleagues across the UK

Offices in Edinburgh, London and Harwell
The Innovate UK KTN AgriFood team
We have deep expertise in AgriFood

Livestock & Aquaculture

Crops

Food
How we can help

Make powerful connections

Secure funding

Get expert insight

Keep up to date
Innovate UK KTN helps shape the future of sustainable protein

- Insect protein has the potential to help address key global challenges.

- We helped bring together leading UK companies to develop a collaborative funding bid, with the potential to transform the insect protein sector in the UK.

- 15 organisations came together to accelerate the development of cutting-edge technology to upcycle food waste into animal feed, using black soldier fly.
Innovate UK KTN helps shape the future of sustainable protein

- The funding bid was awarded £5.9m Innovate UK funding as part of a £9.8m project.

- By 2040, the project aims to have created 3300 UK based jobs.

- It plans to generate annual revenues of £400m for UK tax paying businesses.

- It plans to deliver savings of 50m tonnes CO2 equivalent, driving the industry closer to net zero emissions.
Innovate UK KTN were able to share their deep expertise and powerful connections to turn this project into reality. They provided a crucial role in ensuring we will be able to develop the UK’s first industrial scale insect protein production facility.

Keirran Whitaker, Founder, Entocycle
Support from Innovate UK KTN has helped us develop new strategic partnerships which have embedded us within the UK and our wider industry as a breeder and distributor of high-performance insect genetics. This Insectrial Revolution Project will accelerate the development of the UK’s horizontally segmented insect farming supply chain. It will deliver economic, societal and environmental benefits that will be scaled across the UK and our planet.

Thomas Farrugia, CEO and Founder, BetaBugs
How the AgriFood team gets deep insight into the sector

The Animal Sector Advisory Board

The Plant Sector Advisory Board

The Food Sector Group
How the AgriFood team gets deep insight into the sector

• We bring together industry, academics and government representatives

• We discuss themes around innovation, opportunities, challenges and priorities for the sector

• It helps inform our work including events and reports and identify potential funding needs

• We focus on how we can best work together for the benefit of the whole sector and the UK
Trials, tribulations and successes of IPM in the field

Innovate UK KTN can help on the journey by linking you with:

- Collaborators
- Investors
- Funding competitions
What is IPM?

Integrated Pest Management

tolerance resistance threshold acceptability detection management control application multidisciplinary knowledge, methods implementation

caterpillar, pests, traps, cultural, physical, fungal, roaches, conservation, predators, naturally

biological, target, specific, knowledge
## Components required

<table>
<thead>
<tr>
<th>Policy</th>
<th>Research</th>
<th>Tools and information</th>
<th>Uptake</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 year Environment Plan</td>
<td>Intended consequences</td>
<td>Techniques</td>
<td>The tricky bit</td>
</tr>
<tr>
<td>Agricultural Policy</td>
<td>Unintended consequences</td>
<td>Technologies</td>
<td></td>
</tr>
<tr>
<td>Post Brexit changes</td>
<td></td>
<td>Innovations</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Products</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Services</td>
<td></td>
</tr>
</tbody>
</table>
IPM - Minimise reliance on pesticides and maximise use of alternatives
Thank you

Cathryn.lambourne@ktn-uk.org

Sign up for our AgriFood newsletter

Find out more about the new funding calls

www.ktn-uk.org