Sustainable IPM* and pesticide reductions for Scottish soft fruit

*Integrated Pest Management

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A LEAF Linking Environment and Farming INNOVATION CENTRE

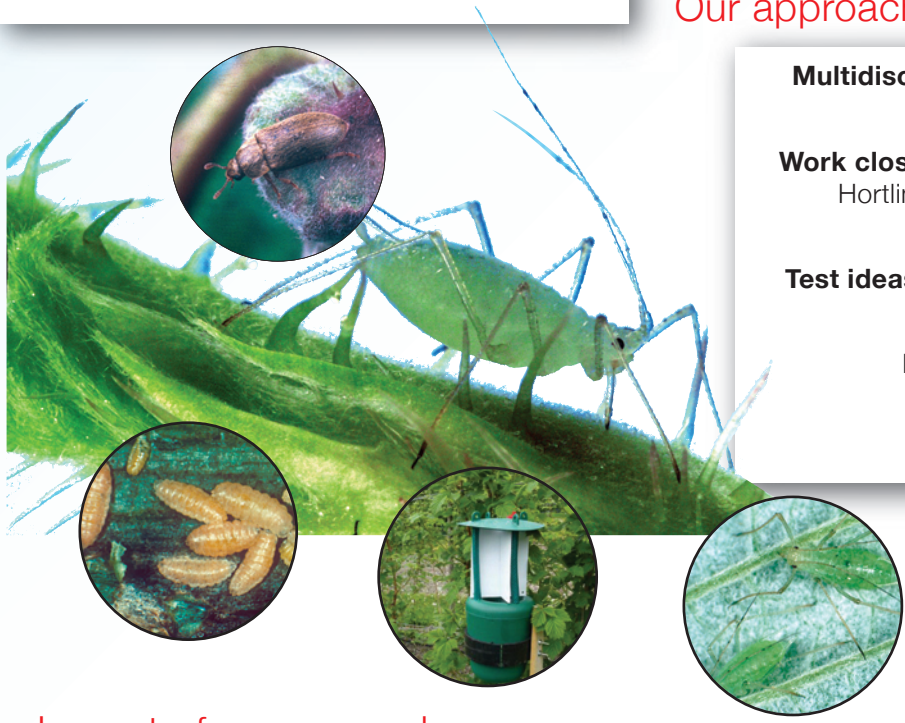
Background (the problems):

EU withdrawing 22+ pesticides (ongoing) under Directive 91/414/EEC

Climate change means new and more pests with more generations per year

Supermarkets and consumers demand high quality BUT no pesticide residues

Polytunnels mean all year pest problems BUT new opportunities for IPM and biocontrol.



Our approach to solving the problems:

Multidisciplinary (entomology, chemistry, plant breeding, biotechnology)

Work closely with industry and end users (e.g. Hortlink project £1.3 million over 5 years, on raspberry IPM)

Test ideas on LEAF farms and with partners in France, Switzerland, Norway

Regular KT events (LEAF Open Farm Sunday, Soft Fruit in Practice etc).

Fruit and Human health

Impact of our research:

New IPM tools for UK + EU growers (e.g. raspberry beetle trap, aphid resistant cvs)

Minimise pesticide residues on food.

Encorage biocontrol using IPM.

Advance orders for SCRI's IPM tools by involving agro chemical companies, supermarkets and growers.

EU SME network being submitted, including KT to growers

Growers can minimise reliance on pesticides (conventional and organic farm demonstrations in UK, France, Switzerland, Norway).

Award from Norwegian Gov to adapt for organic growers **(high value, high health products)**.