

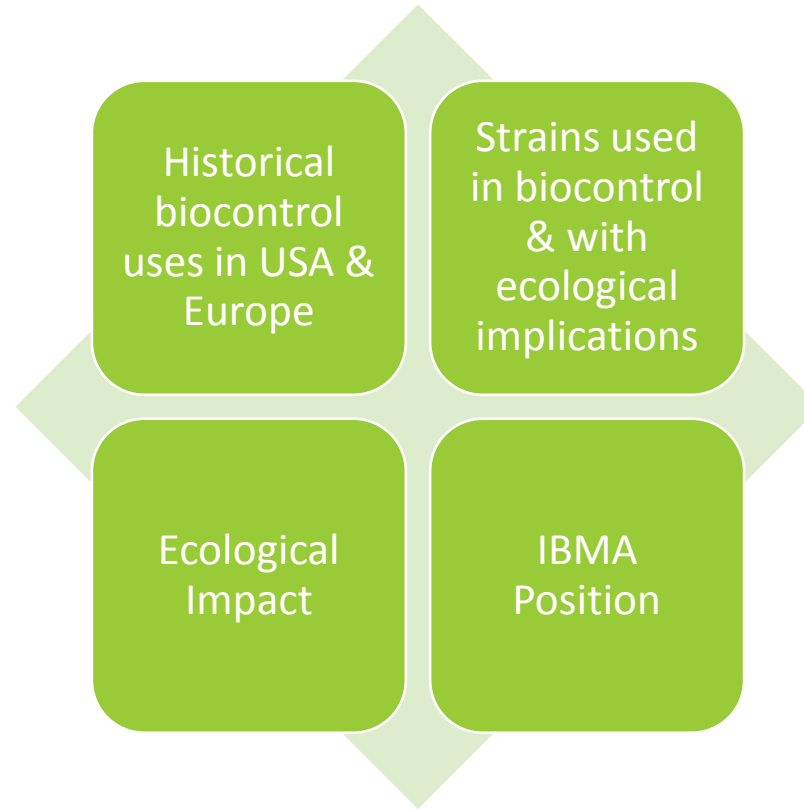


Harmonia???

David Cary, Executive Director, IBMA, February 2015



What is Harmonia issue?



Historical Uses of Harmonia in biocontrol

Numerous classical
biocontrol releases in
USA in 20th century

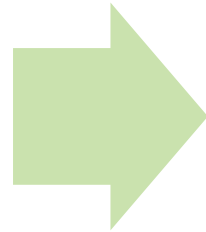
Glasshouse and garden
uses in continental
Europe since 1990s

No biocontrol use in UK

Strains of Harmonia?

Biocontrol Strain

- Standard Variant
- Flightless variant



Swarming Strain

- Similar to USA strain

Ecological impact

No evidence of decline of native ladybird species

No evidence of aphid species population change

No evidence of hybridisation between biocontrol and swarming strains

Evidence demonstrating decline / stabilisation in swarming population

IBMA Position

At the time

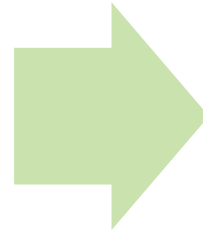
- Took a precautionary position in 2010

Now

- Under risk assessment procedures now in place would Harmonia be introduced?
- No because:
 - Overwintering in Northern countries
 - General v Selective predators

Is Harmonia really an issue?

Maturity of industry has increased



Risk assessments are performed as a standard requirement in microbial development



Thank you for your
attention

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