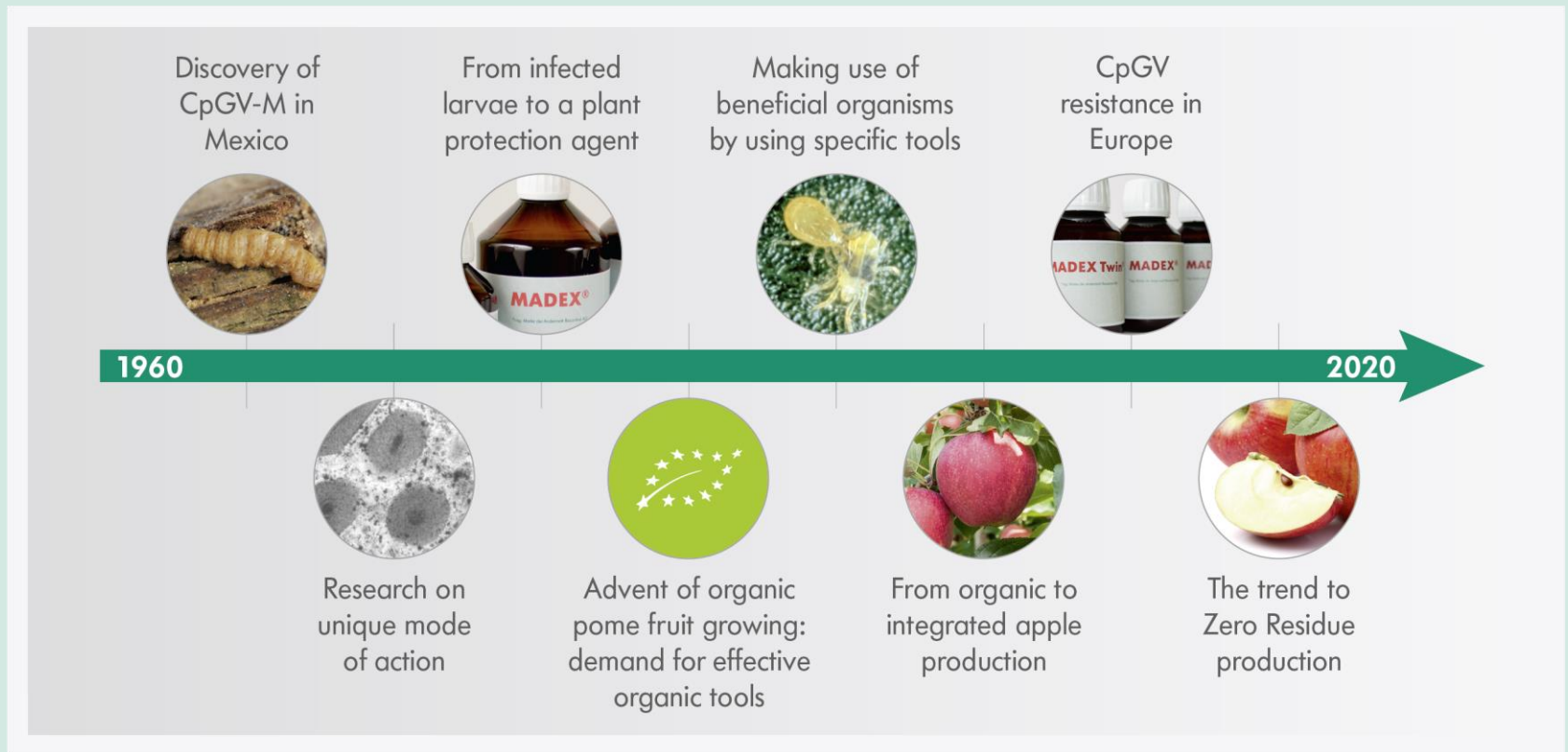


The use of baculoviruses in IPM strategies

ABIM 2017

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The way of *Cydia pomonella* granulovirus (CpGV) into IPM



Strategies to include Baculoviruses

1. Stand Alone

2. Rotation with another a.i.

3. Tankmix

Many individual strategies

How to find a suited strategy?

Target Pest

Other Pests

Stand-alone

- If target pest is key pest
- If alternative products show resistance

Stand-alone

- When non-target pests do not reach economic threshold

Rotation

- For resistance prevention
- If non-lep pest require broad spectrum product

Rotation

- If non-target pests are less damaging than target pest

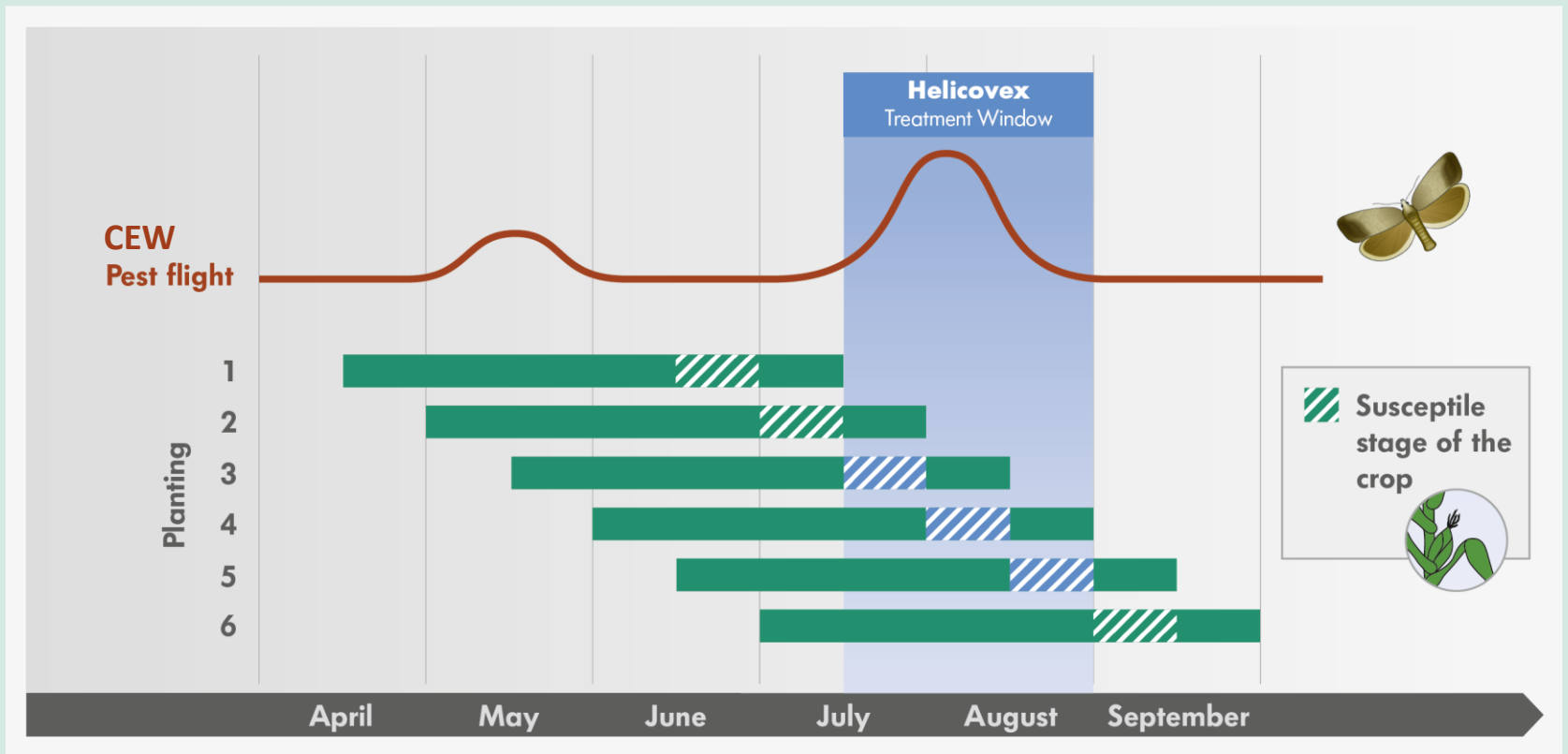
Tankmix

- Support efficacy of other insecticides against key-pest

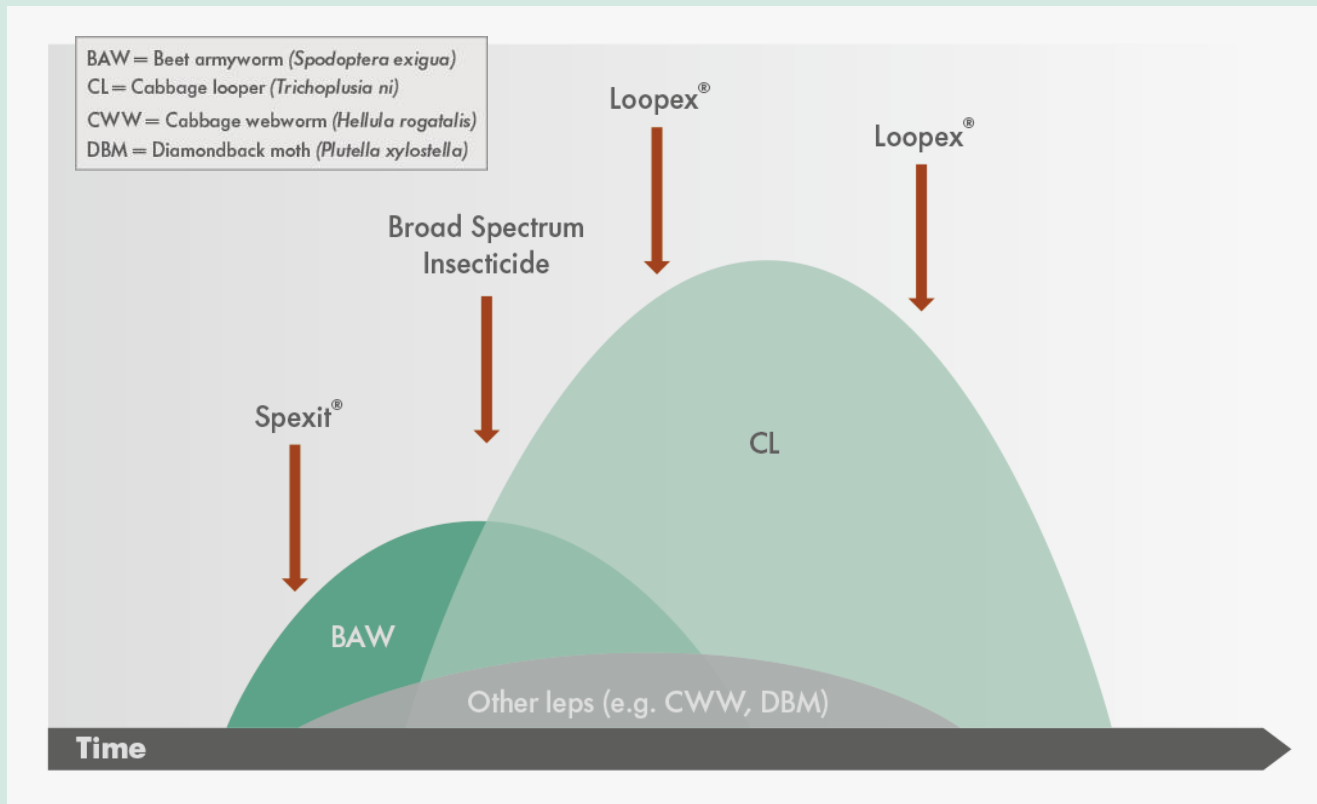
Tankmix

- To support efficacy of other insecticides against key-pest

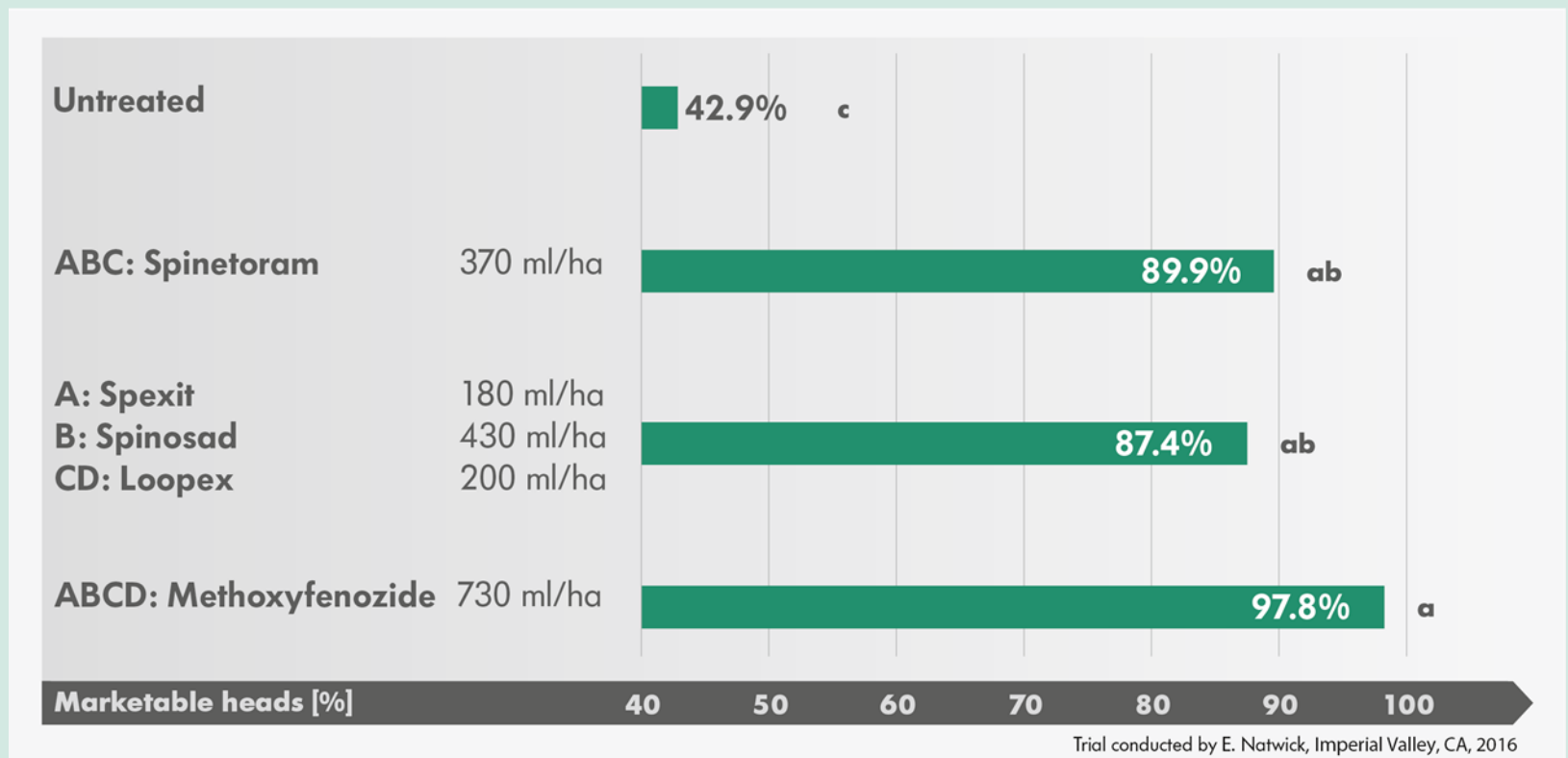
Stand-alone: Helicovex on Sweet corn to control corn earworm (US)



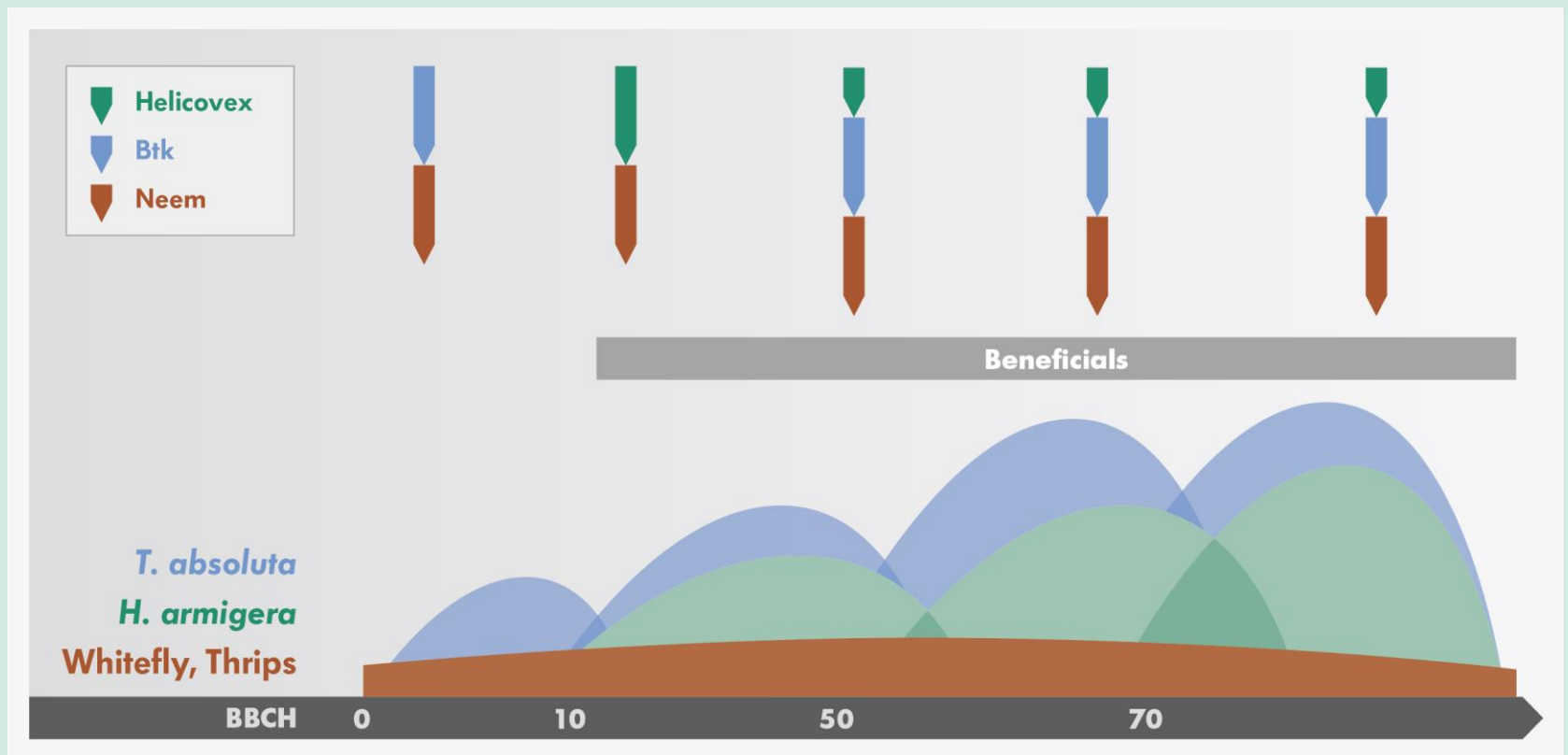
Rotation: IPM Strategy on Cabbage (US)



Rotation: IPM Strategy on Cabbage



Tankmix: IPM strategy with Helicovex on greenhouse tomato



Including NPV in your spray program

- **What are my key pests during the season?**
- **What other tools do I have in my toolbox?**
- **Are there any concerns about resistances against other ai's?**
- **Are beneficials used?**
- **Are there residue concerns?**



***Thank you for
your attention!***



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***where Nature
leads Innovation***