



RESULTS THROUGH KNOWLEDGE

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# INSECTICIDE SUB-GROUP

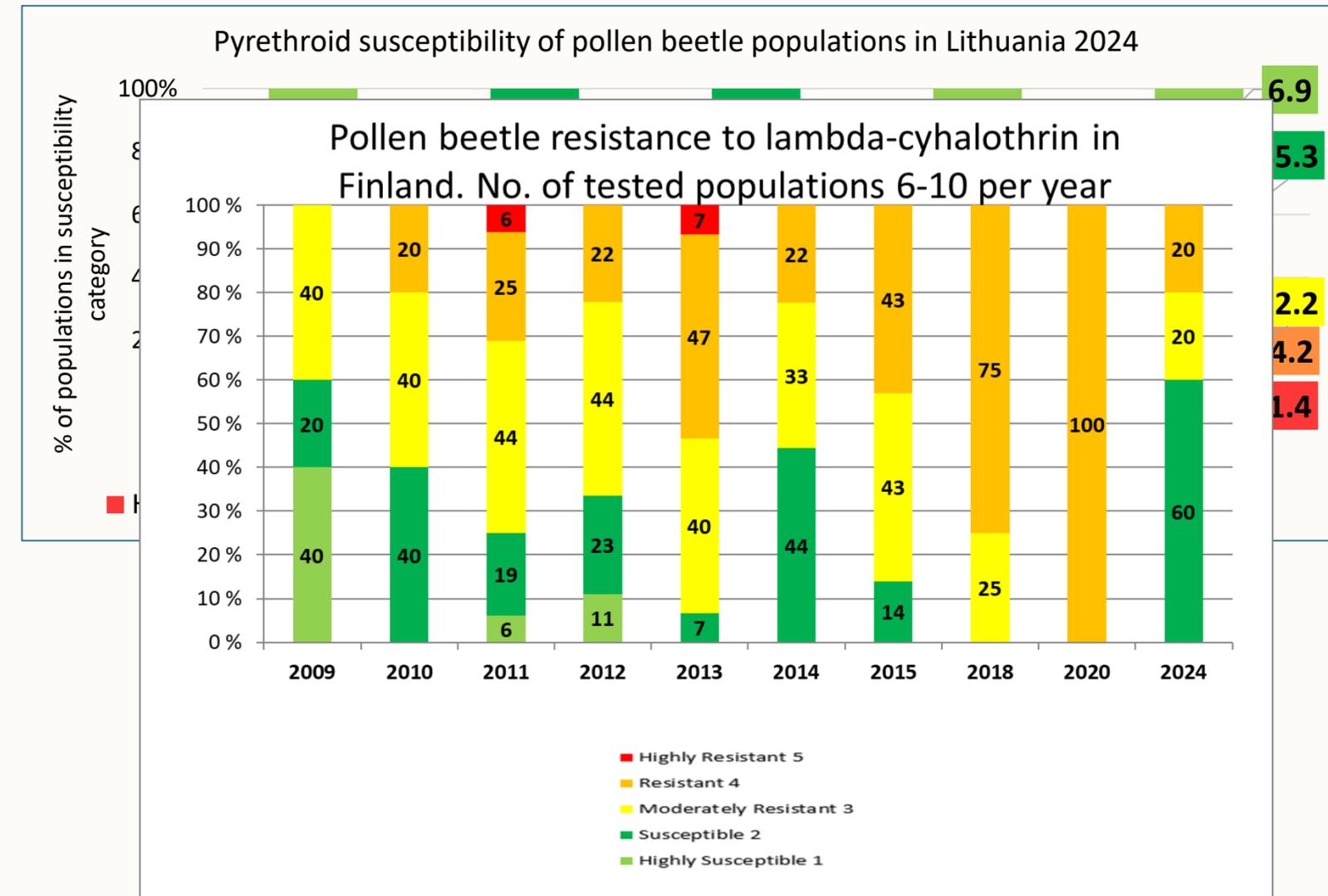
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NORBARAG 2025



# Resistance status

- Resistance status in Finland, Sweden and Lithuania
  - Various insect pests tested, incl pollen beetles
  - A range of products
  - LT:
    - No future for pyrethroids
    - Acceptable for Acetamiprid
  - FI:
    - Lambda-cyhalothrin still effective
    - Acetamiprid still effective
  - SE:
    - Stable conditions (acceptable control)



# Potential problems



- Flea beetle (*Phyllotreta undulata*)
  - Seed coating is a temporary solution
- Strawberry blossom weevil (*Anthonomus rubi*)
- Carrot psyllid (*Trioza apicalis*)
- Broadbean beetle (*Bruchus rufimanus*)
- Diamondback moth (*Plutella xylostella*)
  
- What to do to limit resistance?
  - Alternate MoA
  - New cultivation areas for OSR
  - Need of insecticides
  - Natural enemies as the parasitic wasps



# Diamondback moth



- *Diamondback moth*
  - Does not overwinter in Sweden
  - Flights in from Asia or Russia
  - Normally rare → more frequent
  - Inflight time (sweet spot)
  - Easy to lose control
- **Genome study**
  - Very preliminary - 10 samples
  - Potential resistance mutations
  - Fast result to farmer action





# Insect trials

- Low infestation levels in trials
  - EPPO standards vs advisory vs NZ GD
  - Ensuring of reliable trials for submission purpose
  - Collaboration between industry, CROs and evaluators
  - Developing NEU catalogue of thresholds for insecticide field testing
  - Insect field trial network



# The future of the subgroup



- Not much monitoring going on
  - Not like in the good old days
- Structure of meeting
  - Every 2<sup>nd</sup> year in-person?
  - Only resistance?
  - New methods?
  - “New” pests with potential for resistance
  - Advisory services
- What is the point of NORBARAG?
  - Competing events
  - Is the scope wide enough?





# Get in Touch

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