Beekeeping in Denmark – Current status and environmental challenges

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Danish Beekeepers Association
Estimated (2016)

- 7,100 beekeepers
- 115,000 honeybee colonies
- 2.5 colonies/km²
Winter loss

- 2008: 35%
- 2009: 10%
- 2010: 15%
- 2011: 10%
- 2012: 15%
- 2013: 20%
- 2014: 5%
- 2015: 10%
- 2016: 10%
- 2017: 15%
Fig. 1
Different routes by which honeybees may be exposed to pesticides.

Kiljanek et al. 2016
How to see poisoning of a honeybee colony
Figur 1: UDVIKLINGEN I PBI 2010-2016. BASERET PÅ SALGSTAL (TIL VENSTRE) OG FORBRUGSDATA (TIL HØJRE).
Residues in honey

- Insecticides, herbicides fungicides carried back to the hive
- Pesticide registration should include sub-lethal effects and risk of residues in honey
- What about wild bees?
Aethina tumida

Vespa velutina

Per Kryger, Aarhus University
• Competition possible in some areas
• Lack of food sources
• We need good, solid empirical data, please!
• Honeybees are very important pollinators
Thank you for your attention