

Risk management for bee health

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EU Animal Health Strategy 2007-2013 Honeybee Health 2010



A new Animal Health Strategy for the European Union (2007-2013) where "Prevention is better than cure"



Reasons and extent for losses:



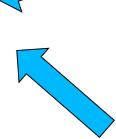
no clear picture

CLIMATE

Seasons Genetics Physiology Behaviour









management







Environment



Diseases





Wide Commission inter-sevice group

DG SANCO

- Animal health: pathogens
- Pesticides
- Veterinary medicines
- Residues in honey

DG Agriculture

- Honey production, apiculture programmes
- Environmental measures

DG Environment

Biodiversity

DG Research

- Animal health
- Environmental

Other DGs ...





Science and data sources

European Food Safety Authority
European Reference Laboratory for bee health
Surveillence studies in 17 Member States
EU FP7 research projects

- BeeDoc, STEP etc.
- a new project on sustainable apiculture and natural resistance mechanisms to diseases: 2013

Any other source (COLOSS etc.)





Support for better risk management

Mandates to EFSA:

- animal health import rules: small hive beetle, Tropilaelaps
- Several pesticides issues

EURL

- Annual meeting of national labs
- Coordination of the surveillence studies

Electronic database

Bee health training for officials



Pathogens



HYMENOPTERA

Vespa velutina (Asian hornet)

MITES

Acarapis woodi (Acariosis)

Varroa destructor

(Varroasis)

Tropilaelaps clareae

COLEOPTERA

Aethina tumida

(Small hive beetle)

VIRUSES

ABPV (Acute bee paralysis virus)

BQCV (Black queen cell virus)

CBPV (Chronic bee paralysis virus)

DWV (Deformed wing virus)

IAPV (Israeli acute paralysis virus)

KBV (Kashmir bee virus)

SBV (Sacbrood virus)

SBPV (Slow bee paralysis virus)

CWV (Cloudy wing virus)

BVX (Virus X)

BVY (Virus Y)

FV (Filamentous virus)

FUNGI

Nosema apis (Nosemosis)

Nosema ceranae (Nosemosis)

Ascosphaera apis (Chalkbrood)

Aspergillus flavus (Stonebrood)

DIPTERA

Braula caeca (Bee louse)

PROTOZOA

Malpighamoeba mellificae

(Amibiasis)

Associative

Agents

BACTERIA

Paenibacillus larvae (American

Foulbrood)

Melissococcus plutonius (European Foulbrood)

Paenibacillus alvei

Enterococcus faecalis

Achromobacter eurydice

Brevibacillus laterosporus

Pseudomonas apiseptica (Septicemia)

Spiroplasma apis (Spiroplasmosis)

Spiroplasma melliferum (Spiroplasmosis)

Health and Consumers

LEPTDOPTERA

Galleria mellonella

Achroea grisella



Difficulties for bee pathogen data collection

EFSA in 2009

2 surveys by EURL in 2011-2012

25 Member States, Norway, Kosovo

Beekeeping industry is poorly documented High heterogenicity:

- Comparability
- Betwen countries
- Between data from same country

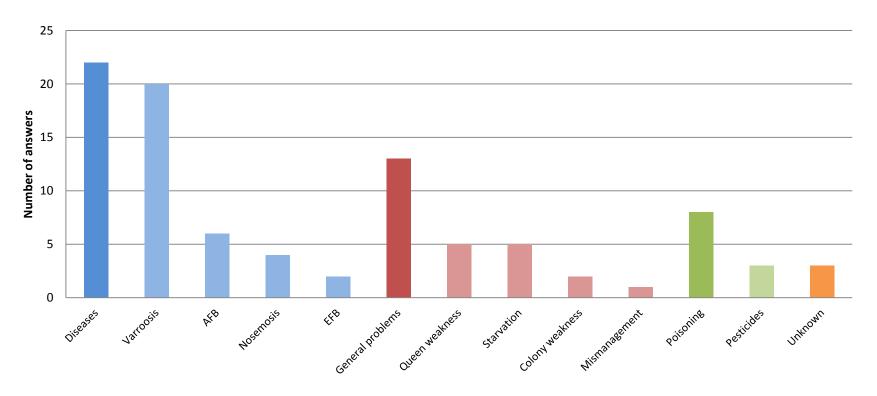
High proportion of non-professionals





Main causes of colony mortality reported by the beekeepers

Source: EURL

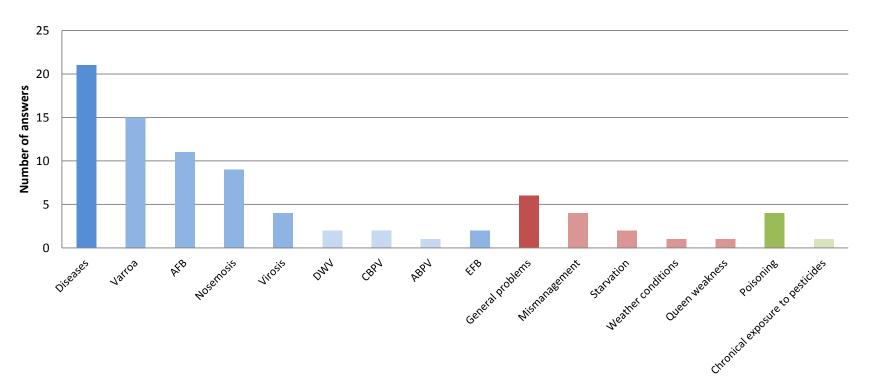






Main causes of colony mortality reported by the laboratories

Source: EURL







Pesticides, neonicotionids

New framework regulation since 2009

New implementing rules

Risk mitigation for specific substances since 2010

New risk assessment for bees

Improved data requirements

New guidance document

Several EFSA mandates on substances

Further regulatory measures under discussion





Key role for beekeepers:

Good apiculture practices
Responsible use of medicines
Coordinated and effective Varroa control
Improved cooperation with:

- authorities (veterinary, plant protection, environmental etc.)
- plant protection beneficiaries (crop producers, horticulturalist, landowners etc.)
- pollination beneficiaries

Better awareness and specific training





Conclusions

An EU framework is in place

Many of its elements can be fine-tuned

SANCO is protecting bee health

Always based on science and data

Constant monitoring, update

Possible measures on neonicotinoids under discussion

Proportionality and subsidiarity

No easy and/or quick risk management solutions

