

Situation in the Czech Republic concerning the PPP effects on honey bees

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Content:

- Honey bee keeping in Czechia
- Risk mitigation measures
- Incidents, effects



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Czech Beekeepers Association



- More than 500 000 bee colonies (from 540 000)
- 46 000 members (from 47 000)
- Cca 98 % beekeepers in the Czech Republic are organised
- 106 beekeepers above 100 hives

Situation in neonicotinoids

Main crops treated by neonicotinoids

- Oil plants 500 000 ha (rape 350 000 ha, poppy 50 000 ha, sunflower 25 000 ha, white mustard 25 000)
- Orchards 15 000 ha
- Maize 100 000 ha



Study performed by VÚV

- Samples taken from 13 hives from different regions showed presence of:
 - 2 neonicotinoids
 - 2 other insecticides
 - 5 fungicides
 - 2 herbicides



Study performed by VÚV

- Conclusion:
- Studies will continue
- Real stress will be higher
- Neonicotinoids may play a role of the „last drop“ in combination with other factors



Situation in 2014

- 52 notified incidents in connection with pesticides in 2014
- 37 incidents in 2013



Risk mitigation measures

- Notification of number and localisation of hives (to municipalities)
- Notification of treatment to all beekeepers in 5 km radius

Risk mitigation measures

- Harmful to bees – application to flowering plots after end of bees activity but before 23,00
- Very harmful to bees – must not contaminate flowering plots, bees, hives...
- Step-up in case of mixtures

Thank you for your attention !

