

Large-scale study 'shows neonic pesticides harm bees'

大型研究结果显示烟碱类杀虫剂对蜜蜂有害

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迄今为止最广泛的一项研究调查得出结论：新烟碱类杀虫剂对蜜蜂和野蜂有害。科研人员发现与杀虫剂中化学成分的接触降低了蜜蜂蜂巢的越冬存活率，同时大黄蜂和独居蜂的蜂王繁殖数量也有所减少。这项调查研究覆盖了英国、德国和匈牙利境内共两千公顷的土地，目的是研究杀虫剂对自然界真正的影响。请听报道。

Much research on **neonicotinoid pesticides** has been carried out in labs. But this study has assessed their **impact** in the wider environment. The researchers found that **bumblebees** and solitary bees exposed to the pesticides were less likely to produce new **queens**. For honeybees in the UK and Hungary, **hives** were more likely to die off over the winter.

Professor Richard Pywel is from the Centre for Ecology and Hydrology in the UK.

‘This is important because many crops globally are insect pollinated and without **pollinators**, we would struggle to produce some foods.’

Some environmental campaigners say these findings should **spell the end** for neonicotinoids. But a manufacturer says they're **convinced** their product isn't bad for bees and highlighted part of the study that showed honeybees in Germany were not affected by the pesticides.

词汇表

neonicotinoid pesticides	新烟碱类杀虫剂
impact	影响
bumblebees	大黄蜂
exposed to	接触到
queens	蜂王
hives	蜂巢
pollinators	传递花粉的昆虫
spell the end	意味... 的终结、结束
convinced	坚信

测验

请听报道并回答下列问题。

1. Where were most of the previous studies of neonicotinoid pesticides carried out?
2. What impact did neonicotinoid pesticides have on bumblebees?
3. True or false? *Honeybees in all countries were affected by the pesticides.*
4. Which word in the text means ‘results of investigations or research’?

答案

1. Where were most of the previous studies of neonicotinoid pesticides carried out?

Previous studies were mostly carried out in labs.

2. What impact did neonicotinoid pesticides have on bumblebees?

The study showed bumblebees exposed to pesticides are less likely to produce new queen bees.

3. True or false? *Honeybees in all countries were affected by the pesticides.*

False. Part of the study showed honeybees in Germany were not affected by the pesticides.

4. Which word in the text means 'results of investigations or research'?

Findings.