

National Botanic Garden of Wales

2017 Honey Survey

Please return to Laura Jones, Science Department, National Botanic Garden of Wales, Llanarthne, SA32 8HG.



Name	
Address	
Email	
Phone number	
Preferred method of contact	
Apiary location (grid reference or postcode)	
Number of hives	

Details from the sampled hive

Date of sample collection								
Number of Frames of bees								
Number of frames of brood								
Number of frames of stores								
Number of supers fitted								
What type of pest management do you use?								
Date of last Varroa count								
Varroa count	<10		10-50		51-100		>100	
Main habitat of surrounding area? (Examples overleaf)								
Source of bee?	Sourced locally				Sourced from outside the UK			
	Sourced from the UK							
Type of bee if known? e.g. buckfast								

Please contact laura.jones@gardenofwales.org.uk if you have any questions.

National Botanic Garden of Wales

2017 Honey General Collection Instructions



Project Background

At the National Botanic Garden of Wales we are investigating which flowers honey bees forage on to help us inform future choices when it comes to managing habitats and planting pollinator-friendly flowers. By using DNA metabarcoding we can identify the plants within the honey and we use the Botanic Garden as our study site, sampling from our own apiary throughout the season. By sampling honey from our hives on a monthly basis, and surveying the Botanic Garden for all plant species in flower, we can track honey bee foraging on a monthly basis giving us important information on foraging preferences.

The Botanic Garden provides us with a unique foraging habitat for the honey bees, with a highly diverse floral resource surrounded by a National Nature Reserve. To widen our survey and understanding of honey bee foraging across different habitats we are asking for a 30ml sample of honey from beekeepers across Wales and the UK to include in our analysis. This can be sampled at any point in 2017 when you take your honey off.

Collection

We would like approximately **30ml of honey from a single hive collected in 2017**. Once collected please return the sample tube with a completed survey form to Laura Jones at Science Department, National Botanic Garden of Wales, Llanarthne, SA32 8HG.

This sampling will feed into our wider study, and if successful the individual results of the flowers your honey bees have foraged on will be sent to you; returned via the contact details given overleaf.

Examples of habitat

You may have multiple habitats in the surrounding area of your hive.

- Woodland: e.g. broadleaved and mixed or coniferous
- Hedgerows
- Arable and crops
- Grasslands
- Gardens
- Built up areas
- Rivers and streams