



# Bee & Butterfly Survey

Our farming & gardening is undertaken without ploughing, fertilisers and spraying. The abundant native wildflowers provide food and shelter for many species of insects, birds and mammals. The insects play a crucial role in pollinating crops and wild plants, which helps to maintain biodiversity and build food security. **In total, 25 species of wild bees were found, along with 8 species of butterfly during this survey.** These are encouraging numbers despite sub-optimal weather. The presence of *Bombus humilis* (Brown-banded Carder Bee) and *Eucera longicornis* (Long-horned Bee) are especially important as both species have declined significantly in the last 20 years.

See if you can spot some of these pollinators around the grounds of Wern-y-Cwm. Be careful not to touch or disturb them though!



Short-fringed Mining Bee  
*Adrena dorsata*



Impunctate Mini-miner Bee  
*Adrena subopaca*



Western Honey Bee  
*Apis mellifera*



Field Cuckoo Bee  
*Bombus campestris*



Garden Bumble Bee  
*Bombus hortorum*



Brown-Banded Carder Bee  
*Bombus humilis*



Red-tailed Bumble Bee  
*Bombus lapidarius*



White-tailed Bumble Bee  
*Bombus lucorum*



Common Carder Bee  
*Bombus pascuorum*



Early Bumble Bee  
*Bombus pratorum*



Red-tailed Cuckoo Bee  
*Bombus rupestris*



Buff-tailed Bumble Bee  
*Bombus terrestris*



Vestal (Southern) Cuckoo Bee  
*Bombus vestalis*



Long-horned Bee  
*Eucera longicornis*



Common Yellow-faced Bee  
*Hylaeus confusus*

**Please note:** The emergence of different pollinator species often coincides with the flowering of their preferred foraging plants or the emergence of host species or prey, and so species numbers change throughout the year. This survey carried out on a single day, will only represent a fraction of the true numbers of bee and butterfly species.





Bronze Furrow Bee  
*Halictus tumulorum*



Common Furrow Bee  
*Lasioglossum calceatum*



Black Mouthed Furrow Bee  
*Lasioglossum laevigatum*



White Belted Furrow Bee  
*Lasioglossum leucozonium*



Common Green Furrow Bee  
*Lasioglossum morio*



Lobe-spurred Furrow Bee  
*Lasioglossum pauxillum*



Speathman's Furrow Bee  
*Lasioglossum smeathmanellum*



Bull-headed Furrow Bee  
*Lasioglossum zonulum*



Clover Blunt-horned Mining Bee  
*Melitta leporina*



Wood-carving Leafcutter Bee  
*Megachile ligniseca*



Blunt-horned Nomad Bee  
*Nomada flavopicta*



Red Admiral Butterfly  
*Vanessa atalanta*



Meadow Brown Butterfly  
*Maniola jurtina*



Marbled White Butterfly  
*Melanargia galathea*



Gatekeeper Butterfly  
*Pyronia tithonus*



Green-veined White Butterfly  
*Pieris napi*



Small White Butterfly  
*Pieris rapae*



Large White Butterfly  
*Pieris brassicae*



Small Skipper Butterfly  
*Thymelicus sylvestris*