

**The aphid *Panaphis juglandis* (Goeze, 1778)  
(Hemiptera, Aphididae) using Ivy *Hedera helix* L. as  
a population refugium at Birlingham,  
Worcestershire.**

Paul F. Whitehead  
Moor Leys, Little Comberton, Pershore, Worcestershire, WR10  
3EH. Email: paulpfw@outlook.com.

On 18 September 2022 I knocked about 30 alate aphids *Panaphis juglandis* (Goeze, 1778) (01) off arborescent Ivy *Hedera helix* L. draped on a wall at Nafford, Worcestershire (VC37, SO9454) in the civil parish of Birlingham. *Panaphis juglandis* is one of two species of aphid monophagous on European Walnut *Juglans regia* L. (Blackman & Eastop, 1994). These alates were 25 m from the nearest walnut tree.



01. Alate viviparous *Panaphis juglandis* (Goeze), Nafford, Birlingham civil parish, Worcestershire, 18<sup>th</sup> September 2022. Paul F. Whitehead.

*Panaphis juglandis* is rarely if ever found on plants other than walnut. The year 2022 was notable for severe drought conditions in the south midlands of England, and many trees lost foliage quality or shed foliage and unviable seed early on, in some cases by the end of July. Although it cannot be ruled out that *P. juglandis* was using ivy to access the nectar resource of its flowers it is felt more likely that the populations had been disrupted by the adverse weather and had sought refuge as the host tree, and in particular its phloem, lost condition. *Panaphis juglandis* assembles along the primary veins of the upper surfaces of walnut leaves and although evidently uncommon regionally may be overlooked for that reason.

**References**

Blackman, R. L. & Eastop, V. F. 1994. *Aphids on the world's trees: an identification and information guide*, pp. 1-986. CAB International, Wallingford.

**Image**

01. Alate viviparous *Panaphis juglandis* (Goeze), Nafford, Birlingham civil parish, Worcestershire, 18<sup>th</sup> September 2022. Paul F. Whitehead.