

Species Information Sheet

Neophilaenus longiceps



Distribution and Identification

Neophilaenus longiceps has a very local distribution in Britain, confined to saltmarshes in south east England.

Adults are typically 6-7mm long; females are somewhat larger than males. As with all froghoppers, they have two stout spines on the outer edge of the hind tibiae, as well as several smaller spines at the tip. Nymphs are typically pale yellow in colour with distinctive dark patches on the wing buds.

Neophilaenus species can be distinguished as adults from *Philaenus spumarius* by the more parallel outer edges of the wings when viewed from above (as opposed to the more convex outline of *P. spumarius*) and their overall pattern of markings. They are much smaller than *Aphrophora* species.

The taxonomic status of *Neophilaenus longiceps* as a separate species from *N. lineatus* is uncertain; it may be simply a saltmarsh race of *N. lineatus*. Its appearance is very similar but it can be distinguished by the dimensions of the central 'plate' on the top of the head (wider than long in *N. longiceps* compared to longer than wide in *N. lineatus*). *N. longiceps is* also slightly larger.



Distribution of

N. longiceps

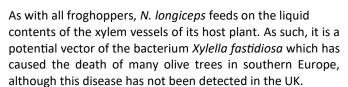
as at May 2019

Neophilaenus sp. spittle on grass

Habitat, Ecology and Lifecycle

Neophilaenus longiceps is restricted to saltmarshes in south east England, where it favours grasses rather than herbaceous or woody plants.

Females lay eggs singly or in groups in the autumn. On emergence the following spring, nymphs begin producing the characteristic spittle 'nests' which provide protection against predators and desiccation. Spittle can be seen from April to late June. The nymph moults five times within the spittle before emerging as a free-living adult. Adults can be found from June to September.





Typical froghopper (*N. lineatus*) hind tibia showing two stout spines on the outer edge and several smaller spines at the tip



Adult of the closely related N. lineatus showing the parallel outer edge to the wings



Neophilaenus sp. nymph and spittle



Neophilaenus sp. nymph

BRIGIT is a collaborative research and awareness-raising project aiming to understand and prevent the introduction of *Xylella fastidiosa* into the UK. https://www.jic.ac.uk/brigit/

For further information

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