

Aulagromyza luteoscutellata (de Meijere, 1924), Diptera: Agromyzidae -New to Britain

On 14.vi.2007 Rob Edmunds found some dark green vacated mines on a cultivated Honeysuckle (*Lonicera etrusca*) in his garden in Fleet, Hampshire. Careful searching revealed leaves with further developing mines of this cryptic miner.

In comparison with the mines of *A.hendeliana/cornigera* on this plant the mines of *A.lueoscutellata* are much darker (luteoscutellata is the mine on the left):



Rob thought these were mines of *Aulagromyza luteoscutellata*, a new miner to Britain and Willem Ellis confirmed this identification. The frass is characteristically in a 'v' shape:

The larvae are pale yellow:



The larvae vacated the mines on 15.vi.2007:

The pupa is similar to that of *A.hendeliana*, but the spiracular bulbs are lightly chitinised and are fewer in number. Initially the pupa is a pale yellow, then becomes a pale orange:



To confirm the identity of this miner required it to be bred out and then a male dissected.

Following advice of Dave Gibbs on rearing Agromyzidae, Rob successfully reared 3 adults and they emerged between the 5 and 6.vii.2007

The male



Thanks to Dave Gibbs for his advice on rearing and also dissecting the male and confirming its identity.

Thanks also to Willem Ellis for his help with confirming the identity of the miner and also providing much information on this miner.

Thanks to Brian Pitkin for providing further information on the morphology of the adults.

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The female:



Dave Gibbs dissected the male and was able to confirm the flies as *Aulagromyza luteoscutellata*, which we believe is new to Britain.