

be investigated using molecular techniques (for example dignostic or quantitative PCR or T-RFLP).

'curing' of the secondary symbionts3, or by microinjection of symbiont communities into symbiont-free lines4.

relation to endosymbiont complement.

Figure 4: An *Aohidius* parasitoid wasp in culture with *B. bra*

Application of Results

Data from the project will be used to construct mathematical and statistical models of the dynamics of the system^{5,6}, primarily to predict the spread of aphid-vectored disease in spatially heterogeneous arable crop systems.

Multitropic factors

influencing aphid vector

competence in a spatially

These models will be a useful tool for the future management and control of aphid populations in arable crops giving the project a practical application within the agricultural industry.

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Image Sources



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