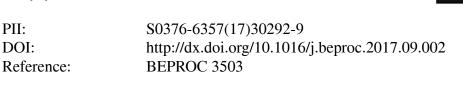
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ACCEPTED MANUSCRIPT

Behavioural responses of two-spotted spider mites induced by predator-borne and preyborne cues

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Highlights:

- spider mites showed different behaviour in response to different predator-borne cues
- specialist predator caused increased while generalist predator caused decreased activity
- in the presence of dead conspecifics spider mites were less active
- predator- or prey-borne cues had no effect on oviposition

Abstract

Applying predatory mites as biological control agents is a well established method against spider mites which are major pests worldwide. Although antipredator responses can influence the outcome of predator-prey interactions, we have limited information about what cues spider mites use to adjust their behavioural antipredator responses. We experimentally exposed two-spotted spider mites (*Tetranychus urticae*) to different predator-borne cues Download English Version:

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