

Effect of Solanum glycosides on the aphid *Schizaphis graminum*

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Common Solanum glycosides were tested against a non-Solanum pest, the greenbug, *Schizaphis graminum*, fed by artificial diet supplemented with the tested compounds. In contrast with the potato aphid *Macrosiphum euphorbiae*, *S. graminum* is sensitive to both potato and tomato glycoalkaloids, as well as to all the different Solanum steroidal glycosides tested. *S. graminum* was less sensitive to glycoalkaloids than to the steroidal glycosides. Laxumin A (LC50 4.3 μ M) and laxumin B (LC50 6.1 μ M), isolated from *Solanum laxum*, were the most active of the tested compounds. The different sensitivity of both aphids against Solanum glycosides could be related to a possible adaptation of the insects to their host plants secondary metabolites.