

# Feeding Stimulative Activity of Steroidal and Secoiridoid Glucosides and Their Hydrolysed Derivatives toward the Olive Weevil (*Dyscerus perforatus*)

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$\beta$ -Sitosteryl-D-glucoside and oleuropein isolated from the olive tree (*Olea europaea*) and their hydrolysed derivatives were tested by a feeding stimulative activity bioassay using the olive weevil (*Dyscerus perforatus*). Although the steroidal glucoside showed potent feeding stimulative activity, the activity of the aglycone ( $\beta$ -sitosterol) was significantly lower than that of the glucoside. On the other hand, the difference in the activity between oleuropein, a secoiridoid glucoside, and the hydrolysed derivatives was not significant.

*Key words:* Olive Weevil, Olive Tree, Feeding Stimulants