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Feeding and Foraging Behaviour in Two Coccinellid Predators: *Scymnus levaillanti* Muls. and *Cycloneda sanguinea* L.

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Abstract: Predatory behaviour, prey consumption, and foraging cycle of adults and larvae of *Scymnus levaillanti* Muls. and *Cycloneda sanguinea* L. (Coleoptera: Coccinellidae) were investigated using a video/computer recording and measurement system. Larvae of *S. levaillanti* spent more time in feeding activities compared to *C. sanguinea*. Adults of both *S. levaillanti* and *C. sanguinea* spent more time in non-feeding activities (digestion and cleaning) compared to their larvae whilst adults of *S. levaillanti* spent less time in non-feeding activities than those of *C. sanguinea*. Generally, larvae and adults of both coccinellid species spent most of their time in non-feeding activities. Although *S. levaillanti* exhibited more foraging cycles with shorter periods compared to *C. sanguinea*, *S. levaillanti* required less aphids to be satiated compared to *C. sanguinea*. These results indicated that feeding and foraging behaviour of these coccinellid species can have a great impact on their daily aphid consumption.

Key Words: *Scymnus levaillanti*, *Cycloneda sanguinea*, coccinellid, foraging cycle, digestive pause

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