

CONTENTS

REVIEWS

- 369 Multitrophic interactions among plants, aphids, alternate prey and shared natural enemies – a review — E.W. EVANS
381 Weighty matters: Body size, diet and specialization in aphidophagous ladybird beetles (Coleoptera: Coccinellidae) — J.J. SLOGGETT
391 Forgotten natural enemies: Interactions between coccinellids and insect-parasitic fungi — H.E. ROY & T.E. COTTRELL

ARTICLES

- 399 *Leucopis annulipes* larvae (Diptera: Chamaemyiidae) use a furtive predation strategy within aphid colonies — B. FRÉCHETTE, F. LAROUCHE & É. LUCAS
405 Dispersal dynamics: Distribution of lady beetles (Coleoptera: Coccinellidae) — V. KRIVAN
411 Effects of habitat loss and fragmentation on the abundance and species richness of aphidophagous beetles and aphids in experimental alfalfa landscapes — A.A. GREZ, T. ZAVIEZO, S. DÍAZ, B. CAMOUSSEIGT & G. CORTÉS
421 Body size and the temporal sequence in the reproductive activity of two species of aphidophagous coccinellids exploiting the same resource — A. HONĚK, A.F.G. DIXON & Z. MARTINKOVÁ
427 Life table parameters of the aphid predators *Coccinella septempunctata*, *Ceratomegilla undecimnotata* and *Propylea quatuordecimpunctata* (Coleoptera: Coccinellidae) — D.C. KONTODIMAS, P.G. MILONAS, G.J. STATHAS, N.E. PAPANIKOLAOU, A. SKOURTI & Y.G. MATSINOS
431 Ladybird *Coccinella septempunctata* (Coleoptera: Coccinellidae) prefers toxic prey in laboratory choice experiment — O. NEDVĚD & S. SALVUCCI
437 Effects of larval diet on female reproductive output of the European coccinellid *Adalia bipunctata* and the invasive species *Harmonia axyridis* (Coleoptera: Coccinellidae) — R.L. WARE, B. YGUEL & M.E.N. MAJERUS
445 Sympatric coexistence of sibling species *Harmonia yedoensis* and *H. axyridis* (Coleoptera: Coccinellidae) and the roles of maternal investment through egg and sibling cannibalism — N. OSAWA & K. OHASHI
455 Susceptibility of endemic and exotic North American ladybirds (Coleoptera: Coccinellidae) to endemic fungal entomopathogens — T.E. COTTRELL & D.I. SHAPIRO-ILAN
461 The two spotted spider mite, *Tetranychus urticae* (Acari: Tetranychidae), alternative prey for the lacewing *Dichochrysa prasina* (Neuroptera: Chrysopidae) — M.L. PAPPAS, G.D. BROUFAS & D.S. KOVEOS
467 Agricultural policy-induced landscape changes: effects on carabid abundance and their biocontrol potential — O. AMEIXA & P. KINDLMANN
477 Plant chemistry and aphid parasitoids (Hymenoptera: Braconidae): Imprinting and memory — H.F. VAN EMDEN, A.P. STORECK, S. DOULOUMPAKA, I. ELEFThERIANOS, G. M. POPPY & W. POWELL
485 The parasitoid *Praon volucre* (Hymenoptera: Braconidae: Aphidiinae) as a potential biological control agent of the aphid *Uroleucon ambrosiae* (Hemiptera: Aphididae) on lettuce in Brazil — B.F. DE CONTI, V.H.P. BUENO & M.V. SAMPAIO
489 The effect of the quality and size of host aphid species on the biological characteristics of *Aphidius colemani* (Hymenoptera: Braconidae: Aphidiinae) — M.V. SAMPAIO, V.H.P. BUENO & B.F. DE CONTI
495 Cereal aphids (Hemiptera: Aphidoidea) in Serbia: Seasonal dynamics and natural enemies — Ž. TOMANOVIĆ, N.G. KAVALLIERATOS, P. STARÝ, O. PETROVIĆ-OBRAĐOVIĆ, C.G. ATHANASSIOU & L.Ž. STANISAVLJEVIĆ
503 A landscape view of cereal aphid parasitoid dynamics reveals sensitivity to farm- and region-scale vegetation structure — M.J. BREWER, T. NOMA, N.C. ELLIOTT, A.N. KRAVCHENKO & A.L. HILD
513 Corn leaf aphid, *Rhopalosiphum maidis* (Hemiptera: Aphididae), is a key to greenbug, *Schizaphis graminum* (Hemiptera: Aphididae), biological control in grain sorghum, *Sorghum bicolor* — G.J. MICHELS, JR. & J.H. MATIS
521 Apple aphid, *Aphis* spp. (Hemiptera: Aphididae), and predator populations in an apple orchard at the non-bearing stage: The impact of ground cover and cultivar — B. FRÉCHETTE, D. CORMIER, G. CHOUINARD, F. VANOOSTHUYSE & É. LUCAS
531 Introducing barley as aphid reservoir in sweet-pepper greenhouses: Effects on native and released hoverflies (Diptera: Syrphidae) — A. PINEDA & M.Á. MARCOS-GARCÍA
537 Conservation biological control of spirea aphid, *Aphis spiraecola* (Hemiptera: Aphididae) on apple by providing natural alternative food resources — M.W. BROWN & C.R. MATHEWS

NOTE

- 541 The aphidophagous predator *Harmonia axyridis* (Coleoptera: Coccinellidae) in Greece, 1994–1999 — D.C. KONTODIMAS, G.J. STATHAS & A.F. MARTINOU