

## FORUM

- Geographic Distribution and Relative Abundance of the Invasive Glassy-Winged Sharpshooter: Effects of Temperature and Egg Parasitoids.  
ANDREW PAUL GUTIERREZ, LUIGI PONTI, MARK HODDLE, RODRIGO P.P. ALMEIDA,  
AND NICOLA A. IRVIN ..... 755

## POPULATION ECOLOGY

- Atta sexdens* (L.) (Hymenoptera: Formicidae) Demography in the Colombian Amazon: an Evaluation of the Palatable Forage Hypothesis.  
HEIKE A.J.A. VAN GILS, LILLIAM E. GÓMEZ, AND ANDREAS GAIGL ..... 770
- Consequences of Narrow Temperature Tolerance for a Pinyon Pine Sawfly, *Neodiprion edulicolus*. **PDF** \*  
OWEN D. V. SHOLES ..... 777
- Chalkbrood Transmission in the Alfalfa Leafcutting Bee: the Impact of Disinfecting Bee Cocoons in Loose Cell Management Systems.  
R. R. JAMES ..... 782
- Population Growth and Development of *Liposcelis pearmani* (Psocoptera: Liposcelididae) at Constant Temperatures and Relative Humidities. **PDF** \*  
B. A. AMINATOU, S. G. GAUTAM, G. P. OPIT, J. TALLEY, AND K. SHAKYA..... 788

## COMMUNITY AND ECOSYSTEM ECOLOGY

- Spider Assemblages in the Overstory, Understory, and Ground Layers of Managed Stands in the Western Boreal Mixedwood Forest of Canada. **PDF** \*  
JAIME PINZON, JOHN R. SPENCE, AND DAVID W. LANGOR..... 797

## INSECT-SYMBIONT INTERACTIONS

- Molecular Characterization of *Bemisia tabaci* Populations in Tunisia: Genetic Structure and Evidence for Multiple Acquisition of Secondary Symbionts.  
F. GORSANE, A. BEN HALIMA, M. BEN KHALIFA, M. S. BEL-KADHI,  
AND H. FAKHFAKH ..... 809
- A Test Using Wolbachia Bacteria to Identify Eurasian Source Populations of Cabbage Seedpod Weevil, *Ceutorhynchus obstrictus* (Marsham), in North America.  
KEVIN D. FLOATE, PAUL C. COGLIN, AND LLOYD DOSDALL ..... 818
- Temperature Alters the Relative Abundance and Population Growth Rates of Species Within the *Dendroctonus frontalis* (Coleoptera: Curculionidae) Community.  
L. M. EVANS, R. W. HOFSTETTER, M. P. AYRES, AND K. D. KLEPZIG ..... 824

## BIOLOGICAL CONTROL-PARASITOIDS AND PREDATORS

- Foraging Behavior of the Coccinellid *Nephus includens* (Coleoptera: Coccinellidae) in Response to *Aphis gossypii* (Hemiptera: Aphididae) With Particular Emphasis on Larval Parasitism.  
MOHAMED H. BAYOUMY ..... 835

## PLANT-INSECT INTERACTIONS

- Bactrocera invadens* (Diptera: Tephritidae), a New Invasive Fruit Fly Pest for the Afrotropical Region: Host Plant Range and Distribution in West and Central Africa.  
GEORG GOERGEN, JEAN-FRANCOIS VAYSSIÈRES, DÉSIÉ GNANVOSSOU,  
AND MAURICE TINDO ..... 844

## BEHAVIOR

- Vision Should not be Overlooked as an Important Sensory Modality for Finding Host Plants.  
JUSTIN L. REEVES ..... 855
- Orientation Behavior of the Predator *Laricobius nigrinus* (Coleoptera: Derodontidae) to Hemlock Woolly Adelgid and Host Tree Odors in a Multi-Chambered Olfactometer. PDF \*  
KIMBERLY F. WALLIN, TANYA M. LATTY, AND DARRELL W. ROSS ..... 864
- Evaluation of Yellow Sticky Traps for Monitoring the Population of Thrips (Thysanoptera) in a Mango Orchard. PDF \*  
HAMASEH ALIAKBARPOUR AND CHE SALMAH MD. RAWI ..... 873
- Response of Grape Root Borer (Lepidoptera: Sesiidae) Neonates to Root Extracts From Vitaceae Species and Rootstocks. PDF \*  
J. C. BERGH, A. ZHANG, J. R. MEYER, AND D. KIM ..... 880

## SAMPLING

- Relative Abundance and Flight Phenology of Two Pheromone Types of *Acrobasis nuxvorella* (Lepidoptera: Pyralidae).  
E. A. HARTFIELD, M. K. HARRIS, AND R. F. MEDINA ..... 889
- Examining the Spatial Distribution of Flower Thrips in Southern Highbush Blueberries by Utilizing Geostatistical Methods.  
ELENA M. RHODES, OSCAR E. LIBURD, AND SABINE GRUNWALD ..... 893

## CHEMICAL ECOLOGY

- Evidence for a Volatile Pheromone in *Agrilus planipennis* Fairmaire (Coleoptera: Buprestidae) That Increases Attraction to a Host Foliar Volatile.  
PETER J. SILK, KRISTA RYALL, PETER MAYO, MATTHEW A. LEMAY, GARY GRANT,  
DAMON CROOK, ALLARD COSSÉ, IVICH FRASER, JON D. SWEENEY, D. BARRY LYONS,  
DOUG PITT, TAYLOR SCARR, AND DAVID MAGEE..... 904

## PHYSIOLOGICAL ECOLOGY

- Effect of Temperature on Post-Wintering Development and Total Lipid Content of Alfalfa Leafcutting Bees.  
KEVIN M. O'NEILL, RUTH P. O'NEILL, WILLIAM P. KEMP, AND CASEY M. DELPHIA ..... 917
- The Influence of Host Fruit and Temperature on the Body Size of Adult *Ceratitis capitata* (Diptera: Tephritidae) Under Laboratory and Field Conditions.  
C. NAVARRO-CAMPOS, M. T. MARTÍNEZ-FERRER, J. M. CAMPOS, J. M. FIBLA, J. ALCAIDE,  
L. BARGUES, C. MARZAL, AND F. GARCIA-MARÍ ..... 931
- Effects of Variable and Constant Temperatures on the Embryonic Development and Survival of a New Grape Pest, *Xylotrechus arvicola* (Coleoptera: Cerambycidae).  
E. GARCÍA-RUIZ, V. MARCO, AND I. PÉREZ-MORENO ..... 939
- Development Time and Predation Rate of *Podisus maculiventris* (Hemiptera: Pentatomidae) Feeding on *Microtheca ochroloma* (Coleoptera: Chrysomelidae).  
CECIL O. MONTEMAYOR AND RONALD D. CAVE..... 948

## TRANSGENIC PLANTS & INSECTS

- Non-Target Effects of Transgenic Blight-Resistant American Chestnut (Fagales: Fagaceae) on Insect Herbivores. **PDF** \*  
K. H. POST AND D. PARRY..... 955
- Western Corn Rootworm (Coleoptera: Chrysomelidae) Dispersal and Adaptation to Single-Toxin Transgenic Corn Deployed With Block or Blended Refuge. **PDF** \*  
ZAIQI PAN, DAVID W. ONSTAD, TIMOTHY M. NOWATZKI, BRUCE H. STANLEY,  
LANCE J. MEINKE, AND J. LINDSEY FLEXNER ..... 964