UNIVERSITY OF MINNESOTA

Twin Cities Campus

Department of Entomology
College of Food, Agricultural and Natural Resource Sciences

219 Hodson Hall
1980 Folwell Avenue
St. Paul, MN 55108-6125

612-624-3636
Fax: 612-625-5299

Postdoctoral Associate Position **November 10, 2015**
Population Ecology and Management of Brown Marmorated Stink Bug

A 12-month Postdoctoral Research Associate is available working with Dr. Bill Hutchison, in collaboration with Drs. Bob Koch and Chris Philips, Department of Entomology, University of Minnesota. This position is supported by a recently-funded grant from Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC), within the College of Food, Agricultural and Natural Resource Sciences (CFANS).

The successful candidate will join an interdisciplinary team studying ways to improve the early detection, mapping and prediction of the geographic range expansion, and temporal dynamics of the invasive brown marmorated stink bug (BMSB), *Halyomorpha halys*, under current Midwest conditions. Forecasts will also be conducted for climate-change scenarios. Studies will focus on the development and validation of population and phenology models of BMSB for improved IPM for multiple field, fruit and vegetable crops. Biological parameters for response of BMSB to temperature/photoperiod will be developed using complementary laboratory and field studies. Spatially explicit phenology models will be coupled with climate change forecasts by collaborating with a postdoctoral associate and Co-PIs in the Department of Soil, Water & Climate. While the project is of a regional scale, the position will provide opportunities for nationwide networking, travel and outreach.

Qualifications: Interested individuals must have a PhD in entomology, ecology or related field, ability to work independently, and experience with one or more areas of quantitative ecology; written and oral communication; and managing lab and field-based applied ecology research projects. Previous experience with stink bug research methods is desired.

Responsibilities: The successful candidate will be responsible for:
1. designing research protocols and conducting laboratory and field experiments to develop and validate BMSB phenology and spatial models,
2. developing and testing an early detection monitoring and distribution system for BMSB in MN,
3. data analysis, and the preparation of research articles for refereed journals,
4. presentation of results at professional meetings and in outreach settings.

Compensation & Duration: Salary is commensurate with experience, with a competitive benefits package included. The initial appointment is 1 year, and renewable given satisfactory performance, for up to 3 additional years.

Available: February 1, 2016, or ASAP. We will begin reviewing applications **Dec. 20, 2015**, and on a continuing basis, until the position is filled.

Application Process
1. Visit the University of Minnesota Employment website: www1.umn.edu/ohr/employment
2. Select External Applicants, University of Minnesota Employees or University Students
3. Select Advanced Search, enter Job ID 303726, job posted "anytime", then click "apply"
4. Submit your letter of interest, including research experience, professional goals, CV, and contact information for 3 references (also send your cover letter and CV to: hutch002@umn.edu).

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