

Weed Science Post-Doc Position

Job No: 496078

Work type: Staff

Location: Beltsville, MD

Categories: Research & Laboratory, Full Time

Duties and responsibilities:

Experience with conducting field-based research is required. Experience with laboratory- and greenhouse-based research is expected. We are looking for candidates with excellent organizational and quantitative skills, demonstrated record of research documented with peer-reviewed publications, and expertise in the following areas: weed ecology/biology, population dynamics, multi-tactic weed management, and statistics. Experience as supervisor, instructor and mentor of undergraduate and graduate students is desired.

Duties will include:

Coordinating and conducting field experiments focused on multi-tactic approaches for Integrated Weed Management (cover crops, herbicide use, tillage, and harvest-time weed seed control). Overseeing the application of machine vision on weed identification and the integration of this information into a multi-layered decision process. Coordinating and conducting laboratory and greenhouse experiments (plant-soil interactions, soil physical and chemical properties, nutrient uptake and allocation), organizing and analyzing data, writing and presenting research results in scholarly peer-reviewed journals and extension publications, presenting results at meetings with producers, farmers and industry representatives, and supervising and training of undergraduate and graduate students. The responsibilities will also include integrating and managing large agronomic data sets from several sites for the USDA area-wide project. The successful candidate will have ample opportunities for the development of independent but related lines of research.

- PhD required in Ecology, Weed Science, Soil Science, Agronomy, Environmental Sciences or related fields.
- Excellent writing and presentation skills.
- Strong background in statistics.
- Special requirements: Valid driver's license.
- Must pass a background check.

Location: USDA-ARS-BARC Sustainable Agricultural Systems Laboratory Beltsville, MD.

Provide: resume (CV), letter of interest, and names and contact information of three references. Applications must be made through the University of Delaware portal at: <https://careers.udel.edu/cw/en-us/job/496078/post-doctoral-researcher-plant-soil-science>

Starting Date: Negotiable, Early Fall 2020 preferred. Position open until suitable candidate found.

Salary: Competitive starting salary. The position comes with an extensive benefits package.

Questions regarding this position may be directed to:

Dr. Steven Mirsky, USDA-ARS Sustainable Agricultural Systems Laboratory, Beltsville, MD, steven.mirsky@ars.usda.gov, 301-504-5324

Dr. Mark VanGessel, University of Delaware, Carvel Research and Education Center, Georgetown, DE, mjv@udel.edu, 302-856-7303

Apply at: <https://careers.udel.edu/cw/en-us/job/496078/post-doctoral-researcher-plant-soil-science>. Provide resume (CV), letter of interest, and names and contact information of three references.

Advertised: 10 Jul 2020 Eastern Daylight Time

Applications close: Review of applicants will begin August 15 and will remain open until a suitable candidate is identified