



Assistant Professor – Dry Bean Breeder

The Department of Plant, Soil and Microbial (PSM) Sciences is an internationally recognized department of more than 70 faculty members, with diverse interests spanning applied and fundamental research across agricultural systems and natural resources

Position Summary

The Department of Plant, Soil and Microbial Sciences at Michigan State University invites applications for a full-time, 12-month tenure track Assistant Professor with an 85% research, 15% teaching appointment. The position start date is anticipated to be March 1, 2024. Research responsibilities will include fundamental and applied research in the area of dry bean breeding and genetics. The major objective of the applied research is the development of improved varieties of multiple dry bean market classes. Current target traits of improvement of the breeding program include yield, disease resistance, canning quality, nitrogen use efficiency and abiotic stress resistance. Fundamental research will depend on the incumbent's training, expertise, and interest, and will focus on genomics; molecular, cellular, physiological or population genetics; genetics of disease resistance; or quantitative genetic theory. Publication of research results in major scientific journals will be required. Teaching expectations include graduate courses in plant breeding and quantitative genetics. Graduate student mentoring is also required in this position. The incumbent will be required to obtain competitive research support from state and federal programs, as well as grants from the growers and processing industries.

Qualifications:

A PhD in plant breeding and genetics or related plant science disciplines is required. Postdoctoral experience is preferred. Experience with legume crops is desirable but not required. Applicants should have a strong record of accomplishments and publications. Further, evidence of past or ongoing successful collaborations and demonstrated outreach to growers and commodity groups is desired, and evidence of multidisciplinary collaborations will be viewed favorably.

Required Application Materials

a) letter of interest that includes qualifications for the position and statement of research and teaching philosophies highlighting how your experiences align with the position (2-page maximum). b) a written statement (limited to 2 pages) that outlines your research vision as it relates to the position. Please include a discussion of both short (five year) and long-term (15 year or more) research directions and goals c) a description (1 page) of teaching philosophy and goals d) current curriculum vitae; e) a description of how you will contribute to our diversity, equity and inclusion goals; and f) contact information for three professional references.

Questions regarding this position can be addressed to the Search Committee Chair: David Douches, Department of Plant, Soil and Microbial Sciences, Michigan State University, East Lansing, MI 48824, USA, douches@msu.edu, 517-884-6946.

**To Apply: For consideration, submit your application online at
<http://careers.msu.edu> - Job Listing 886246**

Application closes: October 1, 2023