MSc Graduate Research Assistantship on Improving Soil for Vegetation Establishment along Nebraska Highways

The University of Nebraska-Lincoln (UNL), Department of Agronomy and Horticulture, invites applications for a MSc. graduate research assistant (GRA) position. The research is on remediating soil for successful vegetation establishment along Nebraska highways. The goal of the research project is to evaluate remediation practices of roadside shoulders for successful plant establishment. The specific objectives of the research are to:

1. determine the effectiveness of several soil remediation treatments in reducing compaction and sodium concentration and improving vegetative cover
2. compare the effect of seeding time on plant canopy cover, species composition, and biomass in response to the various soil remediation treatments, and
3. identify cost-effective remediation practices for successful vegetation establishment.

The GRA will coordinate the execution of the project including establishment of field experiments, imposition of treatments, collection of soil and vegetation data, analysis of data, and reporting of findings in thesis and peer reviewed publications. The student will also have the opportunity to gain teaching experience as well as present research results at professional scientific meetings.

Interested applicants should contact Dr. Martha Mamo (mmamo3@unl.edu, 402-472-8493); Dr. Humberto Blanco (hblanco2@unl.edu, 402-472-1510); or Dr. Walter Schacht (wuschacht1@unl.edu, 402-472-0205), for more information.

Qualifications: BSc. degree with appropriate academic credentials. The qualifying degree must be completed before the GRA start date

MSc. Graduate Research Assistantship Stipend: Annual Basis - $24,120

Tuition Waiver: A tuition waiver of up to 12 credit hours per semester and 12 credit hours during summer sessions is provided with the GRA.

Health Insurance: Students on assistantships are provided health insurance at a reduced rate.

GRA Availability: July, 2017

Application: Formal application for graduate studies is required. Follow the admission instructions at: http://agronomy.unl.edu/futuregraduate

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