

## **POSITION: Windbreak/Crop Yield Project- Graduate Research Assistant, Kansas State University, Department of Horticulture & Natural Resources**

**CONDITIONS:** Half-time, 12 months per year, non-tenure track, term

**POSITION TERM: January 2018 to December 2019**

**AVAILABLE:** Immediately

**RESPONSIBILITIES:** Assist a faculty member, Dr. Charles Barden, in the conduct of a windbreak/crop yield study. Specific duties include the collection and analysis of data from a variety of sources, including field measurements, GIS, and automated combine yield data.

Specific objectives of the study are to determine the effect of windbreaks on the yields of common agronomic crops grown in the Great Plains, and to estimate the yield gained or lost due to the windbreak.

Helping develop technical reports and educational materials (posters, PowerPoint presentations) will be a key responsibility. In addition to an M.S. thesis, a journal-style report will also be developed. Occasional overnight travel will be required for research data collection and to participate in conferences and workshops across the region.

### **QUALIFICATIONS:**

#### **Required:**

- B.S. degree in Horticulture, Forestry, Agronomy or related field
- Ability to work outside in hot and cold weather
- Ability to traverse uneven terrain in cropland and woodland sites.
- Proficiency with common computer programs for word and data processing.
- Proficiency with GIS and remote sensing.

#### **Preferred:**

- Experience in conducting research.
- Experience in conducting Extension or outreach programs.
- Experience in data analysis, particularly with the SAS or SPSS programs
- Familiarity with agricultural equipment and crop production practices.
- U.S. driver's license

**SALARY:** \$22,000/year, plus partial tuition support, up to \$3,000/semester.

**TO APPLY:** Contact Dr. Charles Barden at [cbarden@ksu.edu](mailto:cbarden@ksu.edu) or call (785) 532-1444, for KSU grad school application procedures.