

Reid Barker

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FUTURE GOALS

Become a reputable soil and environmental scientist to provide solutions for agronomic and environmental problems through professional experience, post-secondary education, and society certification. Strong interest in employment with entities focused on the betterment of agriculture or environmental conservation.

EDUCATION

- M.S. Environmental and Soil Science. Depart. of Ag. Biosystems Engineering, Iowa State University, Dec. 2023. Thesis title: "Soil Phosphorus Stratification in Long-term No-tillage and Cover Crops."
- B.S. Agronomy. Depart. of Agronomy, South Dakota State University, May 2021.

WORK EXPERIENCE

Research Scientist 1. ISU Depart. of Agronomy. Ames, IA. 2024 - Present.

Managed the McDaniel Soil-Plant Relationship Lab, supervised all undergraduate research assistants, and conducted/published agronomic research. Also responsible for the support of other lab members with technical, physical, and financial assistance for ongoing research projects.

M.S. Research Assistant. ISU Depart. of ABE. Ames, IA. 2021 - 2024.

Conducted research and published literature for a Masters thesis project regarding agronomic water quality challenges. Also responsible for conducting lab work, fieldwork and managing data for projects with NGO's, industry, and state government collaborators.

Research Assistant. SDSU Depart. of Agronomy. Brookings, SD. 2019 - 2021.

Aided in multiple graduate student lab and field projects. Duties included soil and plant sampling, small plot maintenance/preparation, and field data collection.

Student Technician. SDSU Plant Diagnostic Clinic. Brookings, SD. 2018 - 2019.

Worked in the plant pathology lab analyzing soil and plant samples for Soybean Cyst Nematode, fungal, and bacterial pathogens. Learning sterile lab practices.

Research Assistant. Barker Research & Consulting LLC. Ames, IA. Summer 2018.

Learned the basics of small-plot research such as planting/pesticide application to small plot field trials, soil and plant sample collection, grain harvesting, equipment operation and maintenance, data management, plot maintenance, treatment applications, marking plots, and chemical handling.

Student Technician. SDSU Depart. of Biology. Brookings, SD. 2017 - 2018.

Assisted in the search for novel maize genetics in a field environment. Responsible for ear harvest, processing ear samples, and laboratory work.

AWARDS

American Society of Agronomy Golden Opportunity Scholarship: (Summer 2020) SDSU
Dean's Honor Roll: Fall 2017, Spring 2018, Fall 2018, Fall 2019, and Spring 2020
South Dakota Independent Crop Consultant Association Scholarship (\$500): Fall 2019
Iowa Farm Bureau Scholarship (\$1,000): Summer 2018
SDSU Music Scholarships (\$1,500): 2017 and 2018