

JESSE PUKA-BEALS

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EDUCATION

North Dakota State University

Fargo, ND

Master of Science: Plant Sciences

Thesis: Combining Cover crops, Strip Tillage, and Novel Mulches to Manage Weeds in Vegetable Cropping Systems

Cornell University

Ithaca, NY

Bachelor of Science: Agricultural Sciences

SKILLS

Languages and Tools - R, Git, Quarto, SAS, JMP, Inkscape, Google Suite, Microsoft Office

Licenses - Pesticide applicator (MN-A & C)

Selected Coursework - (Tailor to Job) Field Experiment Design I & II, Statistical Analysis of Ecosystems, Introduction to Biological Statistics, Weed Science, Advanced Weed Science, Soil Physics, Data Visualization, Farm Machinery

EXPERIENCE

University of Minnesota

St Paul, MN

Researcher 4

May 2022-Present

Researcher 3

Aug 2020-May 2022

- Oversee all facets of agricultural field research projects ranging from forages, row crop production and environmental quality.
- Consult with diverse research teams on translating research questions into testable hypotheses we can meaningfully conduct in our lab.
- Develop experimental procedures and data collection practices to conserve resources and assure quality.

North Dakota State University

Fargo, ND

Graduate Research Assistant

May 2018-Jul 2020

- Coordinated field activities and data collection during two growing seasons with four person crews

Cornell University

Ithaca, NY

Research Technician III

Feb 2018-May 2018

- Upgraded greenhouse facilities and supported the research activities of a vegetable breeding program.

Principal Investigator

Feb 2017-Oct 2017

- Secured funding to assess efficacy of cultivation implements in dry beans.

Research Assistant

Feb 2016-Oct 2016

- Assisted reduced tillage research in winter squash production.

PORTFOLIO of PROJECTS
