



-  651 - 269 - 7686
-  mjdasilv@umn.edu
-  Personal website
-  LinkedIn Profile
-  Saint Paul, MN, 55113

LANGUAGES

Portuguese: Native
English: Bilingual
proficiency
Spanish: Professional
working proficiency

SKILLS

- Advanced Programming and Statistical Analysis in R
- Github repositories for version control and collaboration
- QGIS/ArcGIS to create, edit and analyze geospatial information
- Processing UAV imagery and extracting meaningful data
- Certified Drone Pilot
- Project Management
- Team Leadership
- Social Networking

MAYKON JUNIOR DA SILVA

Driven agronomist working with soybean management and physiology. Core skills include Agricultural Research, Crop Production, Remote Sensing, Statistical Analysis, and Teamwork.



EDUCATION

Master of Science in Applied Plant Sciences

University of Minnesota | Saint Paul, MN

Jan 2021 – Mar 2023 (*Expected graduation*)

Bachelor of Science in Agronomic Engineering

Federal University of Santa Maria | Santa Maria, RS, Brazil

Mar 2013 – Dec 2017



PROFESSIONAL EXPERIENCE

Graduate Research Assistant / University of Minnesota Soybean Management and Physiology Lab

Saint Paul, MN | Jan 2021 – Current

- Examine management strategies for Soybean Iron Deficiency Chlorosis located at six field sites in Western Minnesota over two years.
- Utilize multispectral remote sensing to develop yield estimation models that improve soybean IDC phenotyping and management.
- Designing experiments, coordinate field work to ensure implementation of protocols, taking detailed crop measurements throughout the growing season, drone operation, conducting statistical analysis of biological data.

Student Trainee / University of Minnesota Soybean Management and Physiology Lab

Saint Paul, MN | May 2019 – Nov 2020

- Oversee and coordinate lab and field work for several research projects across the state of Minnesota, which activities included packaging seeds, soil sampling, assisting with planting and harvesting, applying foliar and seed treatments, collecting biomass samples, soybean development staging, plot maintenance, and drone operation.
- Processed and analyzed soybean samples from several US producing regions for protein, oil, and amino acids content.

PROFESSIONAL ORGANIZATIONS

- American Society of Agronomy (ASA)
- Crop Science Society of America (CSSA)

AWARDS

- Hayes 21st Century Graduate Fellowship
- Jean W. and Mary S. Lambert Fellowship

Department of Agronomy and Plant Genetics awards given to graduate students in recognition of their outstanding academic and professional accomplishments.

Regional Sales Supervisor / Fertilizantes Piratini LTDA

Cruz Alta, RS, Brazil | Jun 2018 – May 2019

- Supervised the commercialization of fertilizers for a crop production region of more than 1.2 million acres in the South of Brazil.
- Responsible for selling and delivering fertilizers, prospecting for new clients, and maintaining relationships with customers (about 60 co-ops and resellers, and several farmers).

Trainee / Tropical Melhoramento e Genetica (TMG)

Passo Fundo, RS, Brazil | Aug 2017 – Dec 2017

- Conducted 100,000+ field plots across five locations for the southern Brazil soybean breeding program.
- Field responsibilities included management of offsprings, evaluation of segregating populations, assessment of traits of interest, and evaluation of adaptability and stability.

Intern / Tropical Melhoramento e Genetica (TMG)

Rondonópolis, MT, Brazil | Dec 2016 – Mar 2017

- Conducted 200,000+ research testing plots for the west central Brazil soybean and corn breeding programs.
- Direct and cross hybridization, plot maintenance, evaluation of trials under regulatory regime and stewardship, soybean and corn development staging, pest and disease management, and assisting with planting and harvesting.

Trainee / Monsanto

Nao-Me-Toque, RS, Brazil | Mar 2017 – Mar 2017.

- Participation in career fairs (Fair Expodireto 2017), allowing the involvement in different business areas of the company: seeds and traits, crop protection, and software and digital solutions.
- Introduced farmers to new products and technologies developed by the company.

Scholarship and Voluntary Intern / Federal University of Santa Maria

Santa Maria, RS, Brazil | Sep 2013 – Jul 2017

- Development of new dry bean varieties for agronomic, nutritional, and cooking characteristics for the Southern region of Brazil.



LEADERSHIP

Executive Board Member (Treasurer) / U of MN Applied Plant Sciences Graduate Club

Saint Paul, MN | Apr 2021 | Apr 2022

- Managed the spending and revenue of the graduate club, making suggestions and adjustments to help the organization reach its financial goals.
- Organized events and fundraisers for graduate students across the department to promote community, diversity and inclusion.

Planning committee / U of MN Plant Science Symposium

Saint Paul, MN | Dec 2021 | Apr 2022

- Provided support and advice to shape the symposium in relation to topics, speakers, competitions, social activities and poster sessions.
- Served as a resource for questions and concerns for participants and other activities that were essential for the success of the event.



BIBLIOGRAPHIC PRODUCTIONS

- Possobom, M. T. D. F.; Ribeiro, N. D.; Casagrande, C. R.; **Silva, M. J.** Inheritance pattern of zinc (Zn) concentration in Middle American and Andean common bean (*Phaseolus vulgaris* L.) Seeds. Australian Journal of Crop Science (online), v. 12, p. 524-530, 2018.
- Ribeiro, Nerinéia Dalfollo; De Marco Steckling, Skarlet; Maziero, Sandra Maria; **Da Silva, Maykon Junior**; Kläsener, Greice Rosana; Casagrande, Cleiton Renato. Experimental precision of grain yield components and selection of superior common bean lines. Euphytica, v. 213, p. 290, 2017.
- Zemolin, A. E. M.; Ribeiro, N. D.; Casagrande, C. R.; **Silva, M. J.**; Arns, F. D. Genetic parameters of iron and zinc concentrations in andean common bean seeds. Acta Scientiarum. Agronomy (online), 2016.