

Dr. Guillermo R. Balboa, Ph.D.

RESUME

Candidate for Secretary – International Society of Precision Agriculture

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Link to full CV [HERE](#)

Professional Profile

Research Assistant Professor in Nutrient Management and Digital Agriculture at the University of Nebraska–Lincoln and Faculty Fellow at the Daugherty Water for Food Global Institute.

International experience across the U.S., Argentina, and Australia, with over a decade of contributions to precision agriculture research, education, and extension.

Committed member of the International Society of Precision Agriculture since 2016.

Education

Ph.D. in Agronomy, Kansas State University, USA (2014–2018) – Fulbright Scholar

M.S. in Crop Production, National University of Río Cuarto, Argentina (2012–2014)

B.S. in Agronomical Engineering, National University of Río Cuarto, Argentina (2003–2008)

Professional Experience

Research Assistant Professor, University of Nebraska–Lincoln (2021–Present)

Senior Research Fellow, American Farmland Trust (2023–Present)

Assistant Professor, National University of Río Cuarto, Argentina (2019–2021; 2008–2014)

Postdoctoral Fellow, CSIRO, Australia (2018–2019)

Leadership and Service

Vice Leader, Precision Agriculture Systems Community, Agronomy Society of America (2026)

Associate Editor, Agrosystems, Geosciences & Environment

Chair, Agronomy & Horticulture Seminar Committee, University of Nebraska

Active member of ASA, CSSA, SSSA, and the International Society of Precision Agriculture

Research and Funding

Over the past five years, I have secured more than \$2.5 million as Principal Investigator (PI) and contributed to over \$3 million as Co-Principal Investigator (Co-PI), leading and supporting multi-institutional research programs advancing precision agriculture and digital innovation.

Scholarly Contributions

20+ peer-reviewed publications in leading journals since 2018.

Book chapters on precision agriculture and nutrient management

Extensive extension publications and outreach contributions

Extension and Outreach

Development of decision-support tools (e.g., DAWN Dashboard)

Leadership in on-farm research networks across Nebraska

Delivery of extension programs reaching hundreds of producers annually

Teaching and Mentorship

Instructor and guest lecturer in precision agriculture and crop modeling

Mentor to graduate students, postdoctoral researchers, and visiting scholars

Languages

English, Spanish