

I am an agronomist with +10 years of experience in research and stakeholders education, underpinning the development and recommendation of the best crop management practices for productive, efficient, and environmentally safe farming systems. My passion and expertise are in cropping systems, soil fertility and crop nutrition, with a strong component of modern data analytics for the advancement of agriculture. I aim to play an active role in transdisciplinary projects that gather diverse agricultural stakeholders.



EDUCATION

2021
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2018

Ph.D., Agronomy

KS, United States

📍 Kansas State University

Dissertation: "Nitrogen economy in corn-soybean farming systems".

Advisor: Dr. Ignacio A. Ciampitti. E-mail: ciampitti@ksu.edu

2018
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2016

M.S., Soil Science

Bs.As., Argentina

📍 University of Buenos Aires

Thesis: "Variables associated to nitrogen and phosphorus response in corn and soybean in the Argentine Pampas".

Advisor: Dr. Fernando Salvagiotti. E-mail: salvagiotti.fernando@inta.gob.ar

2011
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2005

B.S., Agronomy

Bs.As., Argentina

📍 University of Buenos Aires

Thesis: "Spatio-temporal changes in soil potassium availability in Mollisols of the Cental Pampas region".

Advisor: Dr. Gerardo Rubio. E-mail: rubio@agro.uba.ar



EXPERIENCE

present
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2022

Postdoctoral Fellow - Digital Agronomy

Department of Agronomy

📍 Kansas State University

Research and Extension on sustainable agriculture and resilience of farming systems. Research duties include applied geo-spatial and machine learning analysis, development of digital tools, literature reviews, preparation of reports, scientific manuscripts, and professional presentations. Collaborator of the Digital Tools-Farming Systems and Geospatial consortium (SIIL-USAID, <https://digitalconsortium.wixsite.com/dgfsc>) to advance the development of digital tools for smallholder farmers around the globe. Extension duties include field days, workshops, and corn-soybean schools for farmers. Supervisor: Dr. Ignacio Ciampitti.

Spring
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2022

Guest Lecturer

College of Agriculture

📍 Kansas State University

Invited lecturer. On-Farm Research, Challenges and Opportunities. AGRON-655, Site-Specific Agriculture. Course Instructor: Dr. Jeffrey Siegfried.

present
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2022

Crop production consultant

AgroConsultas

📍 www.agroconsultasonline.com.ar

Providing crop advice on a web platform designed to build bridges between farmers and crop advisors with a variety of crop production specialists. Expertise: crop nutrition & soil fertility. Coordinator: Dr. Federico Bert (fbert@agro.uba.ar).



CONTACT

✉ correndo@ksu.edu

🐦 [aacorrendo](https://twitter.com/aacorrendo)

🌐 [adriancorrendo](https://www.linkedin.com/in/adriancorrendo)

🔍 [Google Scholar](https://scholar.google.com/citations?user=adriancorrendo)

📄 [Research Gate](https://www.researchgate.net/profile/Adrian-Correndo)

🏠 [GitHub](https://github.com/adriancorrendo)

📚 [HarvardDataverse](https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7927/H4T9-T920)

🌐 adriancorrendo.io

📞 (785) 770-6583

📍 2014E Throckmorton PSC,
1712 Claflin Rd., Manhattan,
KS-66506, USA.



VISION

To contribute to the development and transfer of science for sustainable farming systems.



INTERESTS

Cropping Systems; Soil Fertility;
Crop Nutrition; Predictive-Ag;
Applied Stats



LANGUAGES

Spanish: Native; **English:** Proficient.

Last updated on 2023-04-02

Fall 2021	Guest Lecturer College of Agriculture 📍 Universidad Católica de Córdoba
	Invited lecturer on soil P fertility and crop P nutrition management. Certificate in Precision Agriculture. Director: Ing. Agr. Esteban Tronfi. Coordinator: Ing. Agr. Franco Vizzio.
2021 2018	Graduate Research Assistant Department of Agronomy 📍 Kansas State University
	Conducting and coordinating field research in corn and soybean crops in North Central Kansas. Planning and execution of plant and soil sampling and laboratory analyses. Data analysis, preparation of reports, scientific manuscripts, and professional presentations. Extension activities during field days and workshops. Supervisor: Dr. Ignacio Ciampitti.
2018 2010	Assistant Agronomist Latin America Southern Cone 📍 International Plant Nutrition Institute
	Professional training courses in soil fertility and crop nutrition for farmers and crop advisors. Writing scientific manuscripts, research protocols, reports, extension and press articles. Collaborator in various research projects in soil fertility and crop nutrition in the Southern Cone of Latin America. Co-editor of quarterly magazine "Informaciones Agronómicas del Cono Sur" and "Informaciones Agronómicas de Hispanoamérica". Webpage and social media managing. Organizer of a Soil Fertility Symposia Series (2009, 2011, 2013, 2015, and 2017). Supervisor: Dr. Fernando Garcia.
2018 2014	Research Assistant On-Farm Long-Term Crop Nutrition Network of Eastern Plains (Bolivia).
	Main collaborator. Responsibilities: protocols, data analysis, reports and scientific articles.
2018 2013	Research Assistant On-Farm Long-Term Crop Nutrition Network of CREA Northern Cordoba (Argentina). CREA-IPNI-Nutrien.
	Main collaborator. Responsibilities: protocols, data analysis, reports and scientific articles.
2018 2010	Research Assistant On-Farm Long-Term Crop Nutrition Network of CREA Southern Santa Fe (Argentina). CREA-IPNI-Nutrien.
	Main collaborator. Responsibilities: protocols, data analysis, reports and scientific articles, workshops organization.
2010 2008	Undergraduate Assistant Agronomist Latin America Southern Cone, International Plant Nutrition Institute
	Data entry. Database development of resources on soil fertility and crop nutrition. Writing scientific manuscripts, research reports, and extension articles. Collaborator in research projects and professional training in soil fertility and crop nutrition. Co-editor of quarterly magazine "Informaciones Agronómicas del Cono Sur".
2011 2008	Undergraduate Assistant Soil Fertility and Fertilizers Department. College of Agriculture, University of Buenos Aires.
	<i>Ad-honorem</i> teaching assistant. Assistant of research projects: i) PIP 5432 "Responsible mechanisms for the phosphorus recovery and use efficiency in soybean, maize and sunflower", and ii) PICT 11170 "Soil available P management and P nutrition for soybean and other crops of the Pampas Region". Responsibilities: installation and monitoring of field and greenhouse experiments. Soil and plant sampling and laboratory analysis. Evaluation of crop roots (soybean, maize, and sunflower). Soil Fertility and Fertilizers Department, College of Agriculture of University of Buenos Aires. Supervisors: Dr. Gerardo Rubio, and Dr. M. Fernández.
2007	Undergraduate Research Assistant IFEVA. College of Agriculture, University of Buenos Aires.
	Field work assistant in ecology experimental plots. Grassland evaluation and installation of field experiment. Place: Estancia "San Claudio" Carlos Casares. Supervisors: Dr. Isabel Miranda, and Dr. Enrique J. Chaneton.



MENTORING

2022
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2020

Co-advisor

Mrs. Mirta Toribio

📍 University of Buenos Aires

Thesis: "Determining factors of nitrogen losses through volatilization and their effect on corn yield". Degree: Specialization in Soil Fertility and Fertilization. College of Agriculture, University of Buenos Aires. Main advisor: Dr. Nahuel Reussi-Calvo.

ongoing
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2020

Advisor.

Mr. Martin Mendonca.

📍 University of Buenos Aires

Thesis: "Influence of ground-water table on maize and soybean in Southern Cordoba, Argentina". Degree: Specialization in Soil Fertility and Fertilization. College of Agriculture, University of Buenos Aires.



GRANT PROPOSALS

Oct 2022

Understanding impact of timing and N deficiencies for benchmarking NUE (effective use of N) for corn

Role: Co-PI. Lead PI: Dr. I.A. Ciampitti. *Status: Granted; Amount: \$205,418 x 2yr; Period: 2022-2024*

📍 John Deere- KState.

Oct 2022

From Data to Decisions: Deploying Soybean Databases into Interactive Tools

Role: Co-PI. Lead PI: Dr. I.A. Ciampitti. *Status: Pending evaluation; Amount: \$104,300; Period: 2022-2023*

📍 United Soybean Board. Multi-Regional SOybean Checkoff

Sep 2022

Quatifying Nutrient Budgets Farmer-to-Farmer

Role: Co-PI. Lead PI: Dr. I.A. Ciampitti. *Status: Pending evaluation; Amount: \$3,026,495; Period: 2022-2023*

📍 USDA-NRCS. Conservation Innovation Grants On-Farm Conservation Innovation Trials

May 2022

Mapping Soybean Protein and Oil Quality in Farmer Fields

Role: Co-PI. PIs: Dr. I.A. Ciampitti, P. Kyveryga. *Status: Awarded; Amount: \$218,002; Period: 2022-2023*

📍 North Central Soybean Research Program (NCSRP)

Dec 2021

Concept note: Building farmer-based resilience metrics (carbon and nitrogen budgets) in soybean systems

Role: Co-PI. PI: Dr. I.A. Ciampitti. *Status: Not-selected*

📍 Foundation For Food & Agriculture Research

Aug 2019

Improving the prediction of soil N supply and N fixation for US corn-soybean systems

Role: Co-I. PI: Dr. I.A. Ciampitti. *Status: Not-selected*

📍 USDA- NIFA

Nov 2018

Improving assessments of N-mineralization & N-fixation inputs in corn-soybean systems

Role: Co-I. PI: Dr. I.A. Ciampitti. *Status: Not-selected*

📍 IPNI- 4Rs



PUBLICATIONS



REFEREED ARTICLES (24)

2023

Under Review (1)

Hernandez, C.H., **Correndo, A.A.**, Prestholt, A., Kyveryga, P., Ciampitti. I.A., 202#. On-farm soybean seed protein and oil prediction using satellite data. Submitted to *Comp. Electr. Agr.*. Status: *Under-review*. Last update: 03-03-2023.

Published (23)

2023

Antunes de Almedia, L.F., **Correndo, A.A.**, Ciampitti. I.A., et al., 202#. Soybean yield response to nitrogen and sulfur fertilization in the United States: contribution of soil N and N fixation processes. *Eur. J. Agron.* 145, 126791. <https://doi.org/10.1016/j.eja.2023.126791>

2023 ● Carcedo, A.J., Viera N., Marziotte, L., **Correndo, A.A.**, Alemo, A., Vara Prasad, P.V., Min, D., Stewart, Z.P., Faye, A., and Ciampitti, I.A., 2023. The urgency for investment on local data for advancing options for improving crop productivity and climate resilience assessments in Africa: a review for APSIM crop modeling. *Env. Modell. Soft* 161, 105633. <https://doi.org/10.1016/j.envsoft.2023.105633>

2023 ● Moro Rosso, L.H., de Borja Reis, A.F., Tamagno, S., **Correndo, A.A.**, Vara Prasad, P.V., Ciampitti, I.A., 2023. Temporal variation of soil N supply defines N fixation in soybeans. *Eur. J. Agron* 144, 126745. <https://doi.org/10.1016/j.eja.2023.126745>

2022 ● **Correndo, A.A.**, Moro Rosso, L.H., Hernandez, C.H., Bastos, L.M., Nieto, L., Holzworth, D., Ciampitti, I.A., 2022. metrica: an R package to evaluate prediction performance of regression and classification point-forecast models. *Journal of Open Source Software*, 7(79), 4655, <https://joss.theoj.org/papers/10.21105/joss.04655>

2022 ● **Correndo, A.A.**, Pearce, A., Bolster, C., Spargo, J., Osmond, D., and Ciampitti, I.A., 202#. The soiltestcorr R package: An accessible framework for reproducible correlation analysis of crop yield and soil test data. Submitted to *SoftwareX*. Status: *Inpress*. Last update: 11-17-2022. **Pre-print** available at SSRN: <https://ssrn.com/abstract=4169750> or <http://dx.doi.org/10.2139/ssrn.4169750>

2022 ● Bolster, C., **Correndo, A.A.**, Pearce, A., Spargo, J., Osmond, D., and Slaton, N., 202#. A spreadsheet for determining critical soil test values using the modified arcsine-log calibration curve. Submitted to *Soil Sci. Soc. Am. J.*. Status: *Inpress*.

2022 ● **Correndo, A.A.**, McArtor, B., Prestholt, A., Hernandez, C., Kyveryga, P., and Ciampitti, I.A., 2022. Interactive Soybean Variable-Rate Seeding Simulator for Farmers. *Agron. J.* 00, 1-12. <https://doi.org/10.1002/agj2.21181>

2022 ● Secchi, M.A., **Correndo, A.A.**, Stamm, M., Durrett, T., Vara Prasad, P.V., Messina, C., and Ciampitti, I.A., 202#. Suitability of different environments for winter canola oil production in the United States of America. *Field Crops Res.* 287, 108658. <https://doi.org/10.1016/j.fcr.2022.108658>.

2022 ● Sadras, V.O., Giordano, N., **Correndo, A.A.**, Cossani, M., Ferreyra, J.M., Caviglia, O.P., Coulter, J.A., Ciampitti, I.A., and Lollato, R.A., 2022. Temperature-driven developmental modulation of yield response to nitrogen in wheat and maize. *Frontiers in Agronomy* <https://doi.org/10.3389/fagro.2022.903340>

2022 ● **Correndo, A.A.**, Adee, E., Moro Rosso, L.H., Tremblay, N., Vara Prasad, P.V., Du, J., and Ciampitti, I.A., 2022. Footprints of corn nitrogen management on the following soybean crop. *Agron. J.* 1-14. <https://doi.org/10.1002/agj2.21023>

2021 ● **Correndo, A.A.**, Tremblay, N., ...Ciampitti, I.A. et al., 2021. Unraveling uncertainty drivers of the maize yield response to nitrogen: A Bayesian and machine learning approach. *Agr. For. Meteorol.* 311, 108668. <https://doi.org/10.1016/j.agrformet.2021.108668>

2021 ● **Correndo, A.A.**, Gutierrez-Boem, F.H., Garcia, F.O.,... Salvagiotti, F., 2021. Attainable yield and soil texture as drivers of maize response to nitrogen: a synthesis analysis for Argentina. *Field Crops Res.* 273, 108299. <https://doi.org/10.1016/j.fcr.2021.108299>

2021 ● **Correndo, A.A.**, Fernandez, J., Prasad, V., Ciampitti, I.A., 2021. Do water and nitrogen management practices impact grain quality in maize? *Agronomy* 11(9), 1851. <https://doi.org/10.3390/agronomy11091851>

2021 ● Ciampitti, I.A., de Borja Reis, A.F., Cordova, C., Castellano, M.J., Archontoulis, S., **Correndo, A.A.**, Antunes de Almeida, L.F., Moro Rosso, L.H., 202X. Revisiting biological nitrogen fixation dynamics in soybeans. *Front. Plant Sci.* 12, 727021. <https://doi.org/10.3389/fpls.2021.727021>

2021 ● Moro Rosso, L.H., de Borja Reis, A.F., **Correndo, A.A.**, Ciampitti, I.A., 2021. XPolaris: an R-package to retrieve United States soil data at 30-meter resolution. *BMC Res Notes* 14, 327. <https://doi.org/10.1186/s13104-021-05729-y>

2021 ● **Correndo, A.A.**, Hefley, T., Holzworth, D., Ciampitti, I.A., 2021. Revisiting linear regression to test agreement in continuous predicted-observed datasets. *Agr. Syst.* 192, 103194. <https://doi.org/10.1016/j.agsy.2021.103194>

2021 ● **Correndo, A.A.**, Moro Rosso, L.H., Ciampitti, I.A., 2021. Retrieving and processing agro-meteorological from API-client sources using R software. *BMC Res. Notes* 14, 205. <https://doi.org/10.1186/s13104-021-05622-8>

2021 ● **Correndo, A.A.**, Rubio, G., Garcia, F.O., Ciampitti, I.A., 2021. Subsoil-potassium depletion accounts for the nutrient budget in high-potassium agricultural soils. *Sci. Rep.* 11, 11597. <https://doi.org/10.1038/s41598-021-90297-1>

- 2021 ● **Correndo, A.A.**, Rotundo, J.L., Tremblay, N., et al., 2021. Assessing the uncertainty of maize yield with no nitrogen fertilization. *Field Crops Res.* 260, 107985. <https://doi.org/10.1016/j.fcr.2020.107985>
- 2021 ● Appelhans, S.C., Carciochi, W.D., **Correndo, A.A.**, et al. 2021. Predicting soil test phosphorus decrease in non-P-fertilized conditions. *Eur. J. Soil Sci.* 2021; 1– 11. <https://doi.org/10.1111/ejss.12946>
- 2017 ● **Correndo, A.A.**, Salvagiotti, F., García, F.O., Gutiérrez Boem, F.H., 2017. A modification of the arcsine-log calibration curve for analysing soil test value-relative yield relationships. *Crop and Pasture Science* 68 (3): 297-304. <https://doi.org/10.1071/CP16444>
- 2017 ● Barbieri, P.A., Sainz Rozas, H.R. Wyngaard, N., Eyherabide, M., Reussi Calvo, N.I., Salvagotti, F., **Correndo, A.A.**, et al., 2017. Can Edaphic Variables Improve DTPA-Based Zinc Diagnosis in Corn?. *Soil Sci. Soc. Am. J.* 81, 556-563. <https://doi.org/10.2136/sssaj2016.09.0316>
- 2015 ● **Correndo, A.A.**, Boxler, M., García, F.O., 2015. Economic analysis of fertilization management with focus on the long term. *Ci. Suelo* 33(2), 197-212. http://www.suelos.org.ar/publicaciones/vol_33n2/v33n2a04.pdf



BOOK CHAPTERS (8)

- 2023 ● García, F.O., **Correndo, A.A.**, Reussi Calvo, N., Monzon, J.P., Ciampitti, I.A., Salvagiotti, F., Chapter 7: Crop Nutrition. In: Andrade, F., Otegui, M.E., Cirilo, A., & Uhart, S. (2023). *Ecofisiología del cultivo de maíz*. 486p. ISBN 978-987-88-8326-7. Available on-line at: <https://sites.google.com/agro.uba.ar/libroecofisiologadelcultivodem/inicio>
- 2017 ● Majumdar, K., S. Zingore, F. García, **A. Correndo**, J. Timsina, & A.M. Johnston. 2017. Chapter 8: Improving Nutrient Management for Sustainable Intensification of Maize. In: Watson D. (2017). *Achieving sustainable cultivation of maize*, Volume 2. Cultivation techniques, pest and disease control. Burleigh Dodds Series in Agricultural Science. 400p. ISBN-13: 9781786760128.
- 2016 ● **Correndo, A.A.**, & F.O. García. 2016. Pautas para el manejo del fósforo en trigo. In: *Trigo. Cuaderno de Actualización Técnica*. AACREA, Buenos Aires, Argentina.
- 2016 ● García, F.O., and **A.A. Correndo**. 2016. Fertilidad de Suelos y Uso de Fertilizantes para una Agricultura Sustentable. Recursos Naturales y Suelos. GEPAMA FADU UBA –ECOLOGIA UNGS – FHB.
- 2014 ● **Correndo, A.A.**, and F.O. García. 2014. Bases para la nutrición del cultivo de maíz. In: *Maíz. Técnicas probadas para una producción rentable*. 96pp. AACREA, Buenos Aires, Argentina.
- 2014 ● **Correndo A.A.**, & F.O. García. 2014. Diagnóstico del nitrógeno en el cultivo de maíz: ¿Cómo lograr un análisis de suelo confiable? In: L. Borrás (Ed.). *Manejo eficiente del nitrógeno en maíces flint*. Facultad de Ciencias Agrarias, Universidad Nacional de Rosario. pp. 67-80.
- 2012 ● García F.O. and **A.A. Correndo**. 2012. Fertilización en el cultivo de soya. *Manual de Difusión Técnica de Soya*. Fundacruz. Santa Cruz de la Sierra, Bolivia. pp. 158-170.
- 2010 ● García, F., M. Boxler, J. Minteguiaga, R. Pozzi, L. Firpo, I. Ciampitti, **A. Correndo**, F. Bauschen, A. Berardo, and N. Reussi Calvo. 2010. *La Red de Nutrición de la Región Crea Sur de Santa Fe: Resultados y conclusiones de los primeros diez años 200-2009*. 2a. ed. AACREA. Buenos Aires, Argentina. ISBN 978-987-1513-07-9. 64 pp.



CONFERENCES & SYMPOSIA (36)

Most Recent (15)

- 2022 ● Bolster, C., **Correndo, A.A.**, Pearce, A., Spargo, J.T., Slaton, N.A., Osmond, D.L. 2022. A Spreadsheet for Determining Critical Soil Test Values Using the Modified Arcsine-Log Calibration Curve. Nov 6-9, Baltimore, MD, USA. <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/145009>
- 2022 ● **Correndo, A.A.**, Ciampitti, I.A. 2022. The Venture Creation in Data Science: Developing Packages and Web Tools Using R. Nov 6-9, Baltimore, MD, USA. <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/142282>

- 2022 ● **Correndo, A.A.**, Holzworth, D., Ciampitti, I.A. 2022. Comparing Error Metrics to Test Predicted-Observed Agreement for Continuous Variables. Nov 6-9, Baltimore, MD, USA. <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/142306>
- 2022 ● Antunes de Almeida, L.F., **Correndo, A.A.**, et al. 2022. Soybean Yield Response to Nitrogen and Sulfur Fertilization in the United States. Nov 6-9, Baltimore, MD, USA. <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/143887>
- 2022 ● Giordano, N., **Correndo, A.A.**, Sadras, V.O., Lollato, R. 2022. Phenotypic Plasticity Unravels Genotype Specific Response to Nitrogen in Winter Wheat. Nov 6-9, Baltimore, MD, USA. <https://scisoc.confex.com/scisoc/2022am/meetingapp.cgi/Paper/142402>
- 2022 ● Ciampitti, I.A., **Correndo, A.A.**. 2022. Re-thinking effective use of nitrogen in major field crops, integrating breeding and management. Aug. 1-3, Lincoln, NE, USA. https://agronomy.unl.edu/workshops-fielddays/NUE/presentations/Correndo_Ciampitti.pdf
- 2021 ● **Correndo, A.A.**, Hefley, T., Holzworth, D., and Ciampitti, I. A., 2021. How should we use linear regression to test models performance?. 2021 ASA-CSSA-SSSA Meetings. Nov. 7-10, Salt Lake City, UT, USA. <https://scisoc.confex.com/scisoc/2021am/meetingapp.cgi/Paper/135506>
- 2021 ● **Correndo, A.A.**, Tremblay, N., Coulter, J. A., Ruiz Diaz, D. A., Franzen, D. W., Nafziger, E., Prasad, P. V. V., Rosso, L. M., Steinke, K., Du, J., Messina, C. D., and Ciampitti, I. A.. 2021. Disentangling Corn Yield Response to Nitrogen with Bayesian and Machine Learning Models. 2021 ASA-CSSA-SSSA Meetings. Nov. 7-10, Salt Lake City, UT, USA. <https://scisoc.confex.com/scisoc/2021am/meetingapp.cgi/Paper/135568>
- 2020 ● **Correndo, A.A.**, & I. Ciampitti. 2020. Forecasting corn yield in Kansas. 2019 Kansas Corn Symposium. Jan. 23, Manhattan, KS, USA.
- 2019 ● **Correndo, A.A.**, N. Tremblay, J. Rotundo, J. DeBruin, C. Messina, R. Schwalbert, J. Coulter, D. Ruiz-Diaz, A. Franzluebbers, J. Williams, S. Archontoulis, K. Steinke, E. Nafziger, D. Franzen, & I. Ciampitti. 2019. Corn nitrogen responsiveness in North America: a review. 2019 ASA-CSSA-SSSA Meetings. Nov. 10-13, San Antonio, TX, USA.
- 2019 ● **Correndo, A.A.**, & I. Ciampitti. 2019. Breaking Yield Barriers in Corn-Soybean. 2019 Kansas Corn Symposium. Jan. 23, Manhattan, KS, USA.
- 2018 ● **Correndo, A.A.**, F. Salvagiotti, F. García, & F.H. Gutiérrez-Boem. 2018. Attainable yield and soil texture as drivers of pre-plant nitrogen test performance in corn in the Argentine pampas. 2018 ASA-CSSA meetings. Nov. 4-7, Baltimore, MD, USA.
- 2018 ● Balboa, G., **A. Correndo**, M. Stewart, F. Salvagiotti, F.O. Garcia, E. Francisco, J.M Enrico and I.A. Ciampitti. 2018. Intensifying Soybean Management Systems in United States, Brazil and Argentina. 2018 ASA-CSSA meetings. Nov. 4-7, Baltimore, MD, USA.
- 2018 ● **Correndo, A.A.**, & F.O. Garcia. 2018. The utopia of the balanced fertilization of the cropping systems in Argentina. Proceedings of XXVI Argentinean Soil Science Congress. 15-18th, May 2018. Tucumán, Argentina.
- 2018 ● **Correndo, A.A.**, F. Salvagiotti, F. García, & F.H. Gutiérrez-Boem. 2018. Recalibration of Bray1-P critical thresholds for corn and soybean in Argentina. CLAP 2018. I Latin American Congress of Precision Agriculture. 11-13th April 2018. Santiago, Chile. DOI: [10.13140/RG.2.2.28706.73922](https://doi.org/10.13140/RG.2.2.28706.73922)



EXTENSION ARTICLES (52)

Most Recent (20)

- 2023 ● Ciampitti, I.A., **Correndo, A.A.**, Sittel, M., Redmond, C. 2022. Spring planting is approaching: Soil temperature and moisture status. March 16th, 2023: Issue 947. https://eupdate.agronomy.ksu.edu/article_new/spring-planting-is-approaching-soil-temperature-and-moisture-status-535-2
- 2023 ● Ciampitti, I.A., **Correndo, A.A.**. 2022. Optimal corn seeding rate recommendations. March 23rd, 2023: Issue 948. https://eupdate.agronomy.ksu.edu/article_new/optimal-corn-seeding-rate-recommendations-536-2
- 2022 ● Melchiori, R.J.M., Maltese, N., **Correndo, A.A.**, Novelli, L., & Caviglia, O. 2022. How to decide nitrogen fertilization in maize under uncertain scenarios. Serie de Extension INTA EEA Parana No. 89: 76-82. ISSN 0325- 8874. Entre Rios, Argentina.

2022 ● Ciampitti, I.A., **Correndo, A.A.**, Redmond, C. 2022. Soybean seed filling and dry down rate before harvest. September 22nd, 2022: Issue 925. https://eupdate.agronomy.ksu.edu/article_new/soybean-seed-filling-and-dry-down-rate-before-harvest-513-1

2022 ● Ciampitti, I.A., **Correndo, A.A.**, Sittel, M., Redmond, C. 2022. Drought and heat stress in Kansas soybean fields. Agronomy eUpdates. Kansas State university. August 25th, 2022: Issue 921. https://eupdate.agronomy.ksu.edu/article_new/soybean-yield-potential-estimation-509-4

2022 ● Ciampitti, I.A., **Correndo, A.A.**, Sittel, M., Redmond, C. 2022. Drought and heat stress in Kansas soybean fields. Agronomy eUpdates. Kansas State university. August 18th, 2022: Issue 920. https://eupdate.agronomy.ksu.edu/article_new/drought-and-heat-stress-in-kansas-soybean-fields-508-1

2022 ● Ciampitti, I.A., **Correndo, A.A.**. 2022. Drought and heat stress in Kansas corn fields. Agronomy eUpdates. Kansas State university. August 11th, 2022: Issue 919. https://eupdate.agronomy.ksu.edu/article_new/drought-and-heat-stress-in-kansas-corn-fields-507-3

2022 ● Redmond, C., Ciampitti, I.A., **Correndo, A.A.**. 2022. Critical timing in Kansas: High temperatures and corn development. Kansas State university. July 28th, 2022: Issue 917. https://eupdate.agronomy.ksu.edu/article_new/critical-timing-in-kansas-high-temperatures-and-corn-development-505-4

2022 ● Ciampitti, I.A., **Correndo, A.A.**. 2022. Estimating corn yield potential using the yield component method. Agronomy eUpdates. Kansas State university. July 21th, 2022: Issue 916. https://eupdate.agronomy.ksu.edu/article_new/estimating-corn-yield-potential-using-the-yield-component-method-504-1

2022 ● Antunes de Almeida, L.F., **Correndo, A.A.**, Adey, E., Dooley, S., Ciampitti, I.A. 2022. Soybean seed yield productivity and biological nitrogen fixation in Kansas. *Kansas Field Research* 8(4). K-State Research and Extension. Kansas State university. <https://doi.org/10.4148/2378-5977.8300>

2022 ● **Correndo, A.A.**, Lanza Lopez, O., Antunes de Almeida, L.F., Ciampitti, I.A.. 2022. Yield response to nitrogen management in a corn-soybean sequence in North Central Kansas- 2021 Season. *Kansas Agricultural Experiment Station Research Reports*. Vol. 8(4). K-State Research and Extension. Kansas State University. <https://doi.org/10.4148/2378-5977.8315>

2022 ● **Correndo, A.A.**, Antunes de Almeida, L.F., Adey, E., Ciampitti, I.A., 2022. Do late season soybean management impact seed yields in East Kansas? *Kansas Agricultural Experiment Station Research Reports* Vol. 8(4). K-State Research and Extension. Kansas State University. <https://doi.org/10.4148/2378-5977.8301>

2022 ● Ciampitti, I.A., **Correndo, A.A.**. 2022. Considerations for late planting (or replanted). Agronomy eUpdates. Kansas State university. June 9th, 2022: Issue 910. <https://bit.ly/3xYcfEx>

2022 ● Ciampitti, I.A., **Correndo, A.A.**. 2022. Soybean row spacing in Kansas. Agronomy eUpdates. Kansas State university. April 29th, 2022: Issue 904. <https://bit.ly/3y7eS7f>

2022 ● Ciampitti, I.A., **Correndo, A.A.**, & van Versendaal, E.. 2022. Soybean planting date and maturity group selection. Agronomy eUpdates. Kansas State university. April 14th, 2022: Issue 902. <https://bit.ly/3OemydJ>

2022 ● Ciampitti, I.A., **Correndo, A.A.**, & Redmond, C.. 2022. 2022 soil moisture and temperature outlook of spring planting in Kansas. Agronomy eUpdates. Kansas State university. April 7th, 2022: Issue 901. <https://bit.ly/3xrlWXz>

2022 ● Ciampitti, I.A., & **Correndo, A.A.**. 2022. Optimal corn seeding rate recommendations. Agronomy eUpdates. Kansas State university. March 24th, 2022: Issue 898. <https://t.co/65BsXcYvf4>

2021 ● Ciampitti, I.A., & **Correndo, A.A.**. 2021. Indigenous productivity of maize without nitrogen fertilization in North America. Kansas Research and Extension Reports. MF3572. <https://bookstore.ksre.ksu.edu/pubs/MF3572.pdf>

2021 ● **Correndo, A.A.**, & I.A. Ciampitti. 2021. Yield Response to Nitrogen Management in a Corn-Soybean Sequence in North Central Kansas. *Kansas Agricultural Experiment Station Research Reports*. Vol. 7(5). K-State Research and Extension. Kansas State University. <https://doi.org/10.4148/2378-5977.8083>

2020 ● **Correndo, A.A.**, & I.A. Ciampitti. 2020. Corn yield response to nitrogen in North Central Kansas. *Kansas Agricultural Experiment Station Research Reports*: Vol. 6(5). <https://doi.org/10.4148/2378-5977.7921>

2019

Correndo, A.A., & I.A. Ciampitti. 2019. Pursuing the Best Management Strategies for Corn-Soybean Rotation Systems in North Central Kansas. Kansas Agricultural Experiment Station Research Reports: Vol. 5: Iss. 6. <https://doi.org/10.4148/2378-5977.7798>



ACADEMIC SERVICE



REVIEWER

present
|
2022

Crop and Pasture Science.
CSIRO.

present
|
2022

Agricultural and Forest Meteorology.
Elsevier.

present
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2022

European Journal of Agronomy.
Elsevier.

present
|
2022

Plant, Cell & Environment
Wiley.

present
|
2022

International Journal of Plant Production
Springer.

present
|
2021

Nitrogen-MDPI
MDPI.

present
|
2021

Field Crops Research
Elsevier.

present
|
2021

Agronomy-MDPI
MDPI.

present
|
2020

Crop Science
Crop Science Society of America.

present
|
2018

Agronomy Journal
Wiley (American Society of Agronomy).

2018
|
2016

Ciencia del Suelo
Argentine Association of Soil Science.

present
|
2014

Agrociencia Uruguay
College of Agriculture of University of the Republic (FAGRO-UdelaR) & National Institute of Agricultural Research (INIA).

2018
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2014

Agronomia & Ambiente
College of Agriculture, University of Buenos Aires.

2017
|
2013

Terra Latinoamericana
Mexican Association of Soil Science.



LEADERSHIP

present
|
2022

Assistant Coordinator. K-State Digital Ag Team.
A transdisciplinary initiative of researchers, educators, and practitioners for the advancement of digital solutions for agriculture. [website](https://www.k-state.edu/digital-ag/).

present 2022	Collaborator. Soil Test Correlation Group. Fertilizer Recommendation System Tool for the United States (FRST).
Nov. 2021	Teaching Assistant. 2021 Agronomy-Crop-Soils R beginner bootcamp: from basics to publication-ready plots. American Society of Agronomy.
2021 2019	Vice-president. Graduate Student Association: "Topics in Predictive Agriculture". Kansas State University.
present 2019	Chair. "Statasaurus" Journal Club. Ciampitti Lab, Kansas State University. Leading a Students' Journal Club dedicated to discuss applied statistics and share advanced programming skills. Website: https://adriancorrendo.github.io/statasaurusweb/
2022 2021	Chair. Applied Statistics and Programming Committee. Agronomy Graduate Student Association, Kansas State University.
2021 2021	Professional Development Committee. Agronomy Graduate Student Association, Kansas State University.
2021 2021	Scientific Writing Committee. Agronomy Graduate Student Association, Kansas State University.
2021 2019	Applied Statistics and Programming Committee. Agronomy Graduate Student Association, Kansas State University.
2021 2019	Scholarships Committee. Agronomy Graduate Student Association, Kansas State University.
2018 2016	Secretary. Soil Fertility and Plant Nutrition Commission, Argentine Association of Soil Science.
2016 2014	Collaborator. Soil Fertility and Plant Nutrition Commission, Argentine Association of Soil Science.
present 2014	Memberships. American Society of Agronomy. Crop Science Society of America. Soil Science Society of America. Argentine Association of Soil Science. Kansas Corn Growers Association. National Corn Growers Association. Gamma-Sigma-Delta Kansas State University Chapter. K-State Alumni Association.









HONORS & AWARDS









2021	Gamma-Sigma-Delta Membership Nomination. Kansas State University Chapter, Gamma Sigma Delta- The International Honor Society of Agriculture.
2021	Nelson Yield-Limiting Factors Graduate Student Scholarship Award. American Society of Agronomy.
2021	Kansas Seed Industry Graduate Scholarship Award. Department of Agronomy, Kansas State University.
2021	Dr. Neal F. and Florence E. Morehouse Award. Department of Agronomy, Kansas State University.
2021	Gamma-Sigma-Delta Outstanding Graduate Student Research Award (Ph.D.). Kansas State University Chapter, Gamma Sigma Delta- The Honor International Society of Agriculture.

- 2020 ● **Dr. Neal F. and Florence E. Morehouse Award.**
Department of Agronomy, Kansas State University.
- 2020 ● **Kansas Corn Next Generation Scholarship.**
Kansas Corn Growers Association.
- 2019 ● **Graduate Student Council Travel Award.**
Graduate Student Council, Kansas State University.
- 2019 ● **Dr. Neal F. and Florence E. Morehouse Award.**
Department of Agronomy, Kansas State University.
- 2019 ● **Archibald Endowment Award.**
Fulbright Argentina.
- 2019 ● **Fulbright Master-Doctorate Scholarship Renewal. 2019-2020 Academic Year.**
Fulbright Argentina.
- 2021-2018 ● **Graduate Research Assistantship. 2018-2018, 2019-2020 & 2020-2021 Academic Years.**
Department of Agronomy, Kansas State University.
- 2018 ● **Archibald Endowment Award.**
Fulbright Argentina.
- 2017 ● **Fulbright Master-Doctorate Scholarship. 2018-2019 Academic Year.**
Fulbright Argentina.
- 2012 ● **Honor Diploma.**
University of Buenos Aires.
- 2011 ● **Honor Diploma. 4th GPA of 2011 Agronomy Class (125 students).**
College of Agriculture, University of Buenos Aires.
- 2009 ● **Flag Honor Guard Substitute. 6th College-GPA in 2008. Res. D.A. 129/09.**
College of Agriculture, University of Buenos Aires.
- 2008 ● **Flag Honor Guard. 2nd College-GPA in 2007. Res. D.A. 152/08.**
College of Agriculture, University of Buenos Aires.
- 2008 ● **PROMAGRO Scholarship.**
College of Agriculture of University of Buenos Aires & College of Agrilculture of National University of Jujuy.
- 2007 ● **College of Agricltre Award. D.A. 155/07 Expte. 143.249/07.**
College of Agriculture, University of Buenos Aires.
- 2007 ● **PNBU Scholarship. National Program of University Scholarships.**
Ministry of Education, Republic of Argentina.
- 2006 ● **PNBU Scholarship. National Program of University Scholarships.**
Ministry of Education, Republic of Argentina.








SOFTWARE SKILLS

- OS ● Linux , Microsoft Windows , Mac OSx .
- Programm. ● R & RStudio , Python , GitHub 
- Stats & Data Viz ● R, Python, Google Earth Engine, Statistix, Infostat, Table-Curve, Graphpad, Sigmaplot.

Docs	LibreOffice  , Word  , Excel  , Power Point  , Adobe Acrobat  , R-markdown, Quarto.
Design	Adobe Photoshop, Adobe Illustrator, Inkscape, Canva.
Libraries	End-Note, Mendeley  , Zotero.
Comm.	Slack  , Skype  , Teams, GoToMeeting, Zoom.
Client Server	Outlook, IBM Lotus Notes.
Crop Modeling	APSIM (2019 Training, Iowa State University, Instructor: Dr. Archontoulis, S.), DSSAT (2013 Training, University of Buenos Aires, Instructors: Dr. Otegui, M.E. & Mercau, J.).

SOFTWARE DEVELOPMENT

-WEB-APPLICATIONS (3)

2022	DONMaiz: Corn Optimum Nitrogen Rates in Argentina.	 https://ciampittilab.shinyapps.io/DONMaiz/
2022	metrica-shinyapp: Prediction Performance Metrics.	 https://ciampittilab.shinyapps.io/metrica/
2022	Soiltestcorr-shinyapp: Easy Soil Test Correlation.	 https://ciampittilab.shinyapps.io/soiltestcorr/
2022	Cornyield0N: Predict corn yield without nitrogen fertilizer.	 https://ciampittilab.shinyapps.io/cornyield0N/
2022	Soybean Variable Rate Seeding Simulator.	 https://analytics.iasoybeans.com/cool-apps/SoybeanVRSSimulator/

-PACKAGES (3)

2022	Correndo, A.A. ; Pearce, A., and Ciampitti, I.A., 2022, soiltestcorr: Soil Test Correlation and Calibration. R-package version 2.1.2. doi:10.5281/zenodo.6636721, CRAN: https://cloud.r-project.org/web/packages/soiltestcorr/
2022	Correndo, A.A. ; Moro Rosso, L.H.; Schwalbert, R., Hernandez, C., Bastos, L., Holzworth, D., and Ciampitti, I.A., 2022, metrica: Predictions performance metrics. R-package version 1.2.3. doi:10.5281/zenodo.6543296, CRAN: https://cloud.r-project.org/web/packages/metrica/
2021	Moro Rosso, L.H.; de Borja Reis, A.; Correndo, A.A. ; and Ciampitti, I.A., 2021, XPolaris: Retrieving Soil Data from POLARIS. R-package version 1.0.2. CRAN: https://cran.r-project.org/package=XPolaris

DATA-CODES & TUTORIALS (6)

2021	Correndo, A.A. . Tidy Mixed Models in R. <i>Agronomy Graduate Students Association</i> , V3 https://adriancorrendo.github.io/tidymixedmodelsweb/ Video: https://www.youtube.com/watch?v=KxGpacYhBT4
2021	Moro Rosso, L.H.; de Borja Reis, A.; Correndo, A.A. ; Ciampitti, I.A., 2021, "Retrieving POLARIS data using R-software", <i>Harvard Dataverse</i> , V2, https://doi.org/10.7910/DVN/DCZ0N3
2021	Correndo, A.A. ; Hefley, T., Holzworth, D., Ciampitti, I.A., 2021, "R-code Tutorial: Revisiting linear regression to test agreement in continuous predicted-observed datasets", <i>Harvard Dataverse</i> , V3 https://doi.org/10.7910/DVN/EJS4M0
2021	Correndo, A.A. , Moro Rosso, L.H., Ciampitti, I.A., 2021, "Agrometeorological variables data using R-software", <i>Harvard Dataverse</i> , V5 https://doi.org/10.7910/DVN/J9EUZU YOUTUBE-Tutorial: https://www.youtube.com/watch?v=gJo5XUftDPk
2021	Correndo, A.A. , 2021, Regression Trees and Random Forest. Applied Stats Workshop. AGSA, Kansas State University. GitHub.link - YOUTUBE-Tutorial: https://www.youtube.com/watch?v=sE8VyX2XGII

Correndo, A.A., Salvagiotti, F., García, F., Gutiérrez-Boem, F.H., 2021, "R-Code Tutorial: A modification of the arcsine–log calibration curve for analysing soil test value–relative yield relationships", Harvard Dataverse, V2 <https://doi.org/10.7910/DVN/NABA57>



REFERENCES

Dr. Ignacio A. Ciampitti.

Associate Professor. Kansas State University. Cropping Systems Specialist. Department of Agronomy, Kansas State University. 2014 Throckmorton Bldg, Manhattan, KS 66506, USA.

E-mail: ciampitti@ksu.edu

Dr. Nicolas Tremblay.

Research Scientist, Agriculture & Agri-Food Canada. 430 boul. Gouin. St-Jean-sur-Richelieu, QC, Canada.

E-mail: tremblaynic@yahoo.com

Dr. Tom Bruulsema.

Chief Scientist, Plant Nutrition Canada (PNC). Guelph, ON, Canada.

E-mail: tombuulsema@rogers.com

Dr. Paul E. Fixen.

Former Senior Vice-President & Director of Research. International Plant Nutrition Institute. 2301 Research Park Way, Suite 126 Brookings, SD 57006 USA.

E-mail: paulfixen@gmail.com

Dr. P.V. Vara Prasad.

Director, Sustainable Intensification Innovation Lab. President, Crop Science Society of America (2021). Kansas State University. 108 Waters Hall, 1603 Old Claflin Place, Manhattan, KS 66506, USA.

E-mail: vara@ksu.edu

Dr. Petro Kyveryga.

Affiliate Associate Professor, Iowa State University | Agronomic Analyst, John Deere. Former Senior Research Scientist-Analytics, Iowa Soybean Association. 2104 Agronomy 716 Farm House Ln, Ames, IA, USA.

E-mail: kyveryga@iastate.edu

Dr. Fernando O. García.

Private Consultant. Former Regional Director of Latin American Southern Cone Program. International Plant Nutrition Institute. Av. Santa Fe 910, B1641ABO, Acassuso, Buenos Aires, Argentina.

E-mail: fgarcia1957@gmail.com

Dr. Trevor Hefley.

Assistant Professor, Department of Statistics. Kansas State University. 205 Dickens Hall, 1116 Mid-Campus Drive N, Manhattan KS 66506-0802, USA.

E-mail: thefley@ksu.edu

Dr. Fernando Salvagiotti.

Soil Fertility and Crop Nutrition Specialist. EEA INTA Oliveros. Ruta 11 km 353, 2206, Oliveros, Santa Fe, Argentina.

E-mail: salvagiotti.fernando@inta.gob.ar

Dr. Gerardo Rubio.

Director. Research Institute of Agricultural and Environmental Biosciences (INBA). CONICET- University of Buenos Aires. Av. San Martín 4453. CP 1417 DSE. Ciudad de Buenos Aires, Argentina.

E-mail: rubio@agro.uba.ar