ADRIAN A. CORRENDO

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 | 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 | 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 | 2005

B.S., Agronomy
Bs.As., Argentina — University of Buenos Aires

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

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

EXPERIENCE

present | 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 | 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 | 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

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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.

Ad-honorem 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 | 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 | 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.**, Pearce, A., Bolster, C., Spargo, J., Osmond, D., and Ciampitti, I.A., 2023. The soiltestcorr R package: An accessible framework for reproducible correlation analysis of crop yield and soil test data. Submitted to *SoftwareX* 21, 101275, https://doi.org/10.1016/j.softx.2022.101275

2022 Bolster, C., **Correndo, A.A.**, Pearce, A., Spargo, J., Osmond, D., and Slaton, N., 2023. A spreadsheet for determining critical soil test values using the modified arcsine-log calibration curve. Submitted to *Soil Sci. Soc. Am. J.* 87, 182-189, https://doi.org/10.1002/saj2.20498

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.**, McArtor, B., Prestholt, A., Hernandez, C., Kyveryga, P., and Ciampitti, I.A., 2022. Interactive Soybean Variable-Rate Seeding Simulator for Farmers. *Agron. J.* 114, 3554-3565. 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). Ecofisiologia del cultivo de maiz. 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. Borras (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

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.**, Adee, 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., Adee, 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 Metorology.**
Elsevier.

present | 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 | 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.

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 Agricultre 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 Ilustrator, 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. *Agronomy Graduate Students Association*, 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", *Harvard Dataverse*, 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", *Harvard Dataverse*, 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", *Harvard Dataverse*, 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

2021 **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

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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

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E-mail: kyveryga@iastate.edu

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Soil Fertility and Crop Nutrition Specialist. EEA INTA Oliveros. Ruta 11 km 353, 2206, Oliveros, Santa Fe, Argentina.
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E-mail: rubio@agro.uba.ar