

Ignacio A. Ciampitti

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I. Education and Training

<i>Institution</i>	<i>Area</i>	<i>Degree</i>	<i>Year</i>
University of Buenos Aires, Argentina	Agriculture	B.S.	2005
University of Buenos Aires, Argentina	Soil Fertility and Plant Nutrition	M.S.	2009
Purdue University, West Lafayette, IN	Crop Physiology	Ph.D.	2012
Purdue University, West Lafayette, IN	Crop Science and Plant Nutrition	Postdoc	2013

II. Research and Professional Experience

2017-present	Associate Professor, Department of Agronomy, Kansas State University
2014-present	Contributing Faculty, International Grain Science Program (IGP), Kansas State University
2013-2017	Assistant Professor, Department of Agronomy, Kansas State University
2012-2013	Post-Doctoral / Research Associate, Department of Agronomy, Purdue University
2006-2009	Agronomist, International Plant Nutrition Institute, Latin America Program

III. Honors and Awards (Last Five Years: 2015 to 2020):

- American Society of Agronomy (ASA), Extension and Educator Award, ASA (2020)
- Excellence in Research Award, Gamma Sigma Delta (2020)
- Crop Science Society of America (CSSA), Extension and Educator Award, CSSA (2019)
- “Professor of the Week”, 1 over 13 total professors recognized during the 2019-2020 academic year across the entire university, Kansas State University (2019)
- Crop Science Society of America (CSSA), Young Crop Scientist Award, CSSA (2018)
- American Society of Agronomy (ASA), Early Career Award, ASA (2018)
- Outstanding State Extension Professional, Kansas State Research and Extension (KSRE) (2018)
- Communicator of the Year, Kansas Chapter of Association for Communication Excellence, Department of Communications and Agricultural Education, Kansas State Univ. (2018)
- Excellence in Extension Award, Gamma Sigma Delta (2018)
- Land O’Lakes Global Food Ambassador (2017)
- Early Career Service Award, Epsilon Sigma Phi Alpha Rho Chapter (2016)
- Early Career Award, Gamma Sigma Delta (2015)

IV. List of Peer Reviewed Published Journal Articles (from 2016 to 2020, 70 publications, only 35 shown below). This research has been cited 2500 times (google h-index 28; i10-index 58).

1. Torres, A.R., B. Brito, J. Imperial, I.A. **Ciampitti**, and M. Hungria. 2020. Hydrogen-uptake genes improve symbiotic efficiency in common beans (*Phaseolus vulgaris* L.). *Antonie van Leeuwenhoek* 113: 687–696.
2. Oliveira Silva, A., I.A. **Ciampitti**, G.A. Slafer, R.P. Lollato. 2020. Nitrogen utilization efficiency in wheat: A global perspective. *Eur. J. Agron.* 114: 126008.
3. Fernandez, J.A., J. DeBruin, C.D. Messina, and I.A. **Ciampitti**. 2020. Late-season nitrogen fertilization on maize yield: A meta-analysis. *Field Crops Res.* 247: 107586.
4. Balboa, G.R., and I.A. **Ciampitti**. 2020. Estimating biological nitrogen fixation in field-grown soybeans: impact of B value. *Plant Soil* 446, 195–210.

5. Carciochi, W.D., Rosso, L.H.M., Secchi, M.A. *et al.* and I.A. **Ciampitti**. 2019. Soybean yield, biological N₂ fixation and seed composition responses to additional inoculation in the United States. *Sci Rep* **9**, 19908.
6. Balboa, G.R., S.V. Archontoulis, F. Salvagiotti, F.O. Garcia, W.M. Stewart, E. Francisco, P.V. Vara Prasad, and I.A. **Ciampitti**. 2019. A system-level yield gap assessment of maize-soybean rotation under high- and low- management inputs in the Western US Corn Belt using APSIM. *Ag. Systems* **174**:145-154.
7. Osorio, R.J., C.J. Barden, and I.A. **Ciampitti**. 2019. GIS approach to estimate windbreak crop yield effects in Kansas-Nebraska. *Agroforestry Systems* **93**:1567-1576.
8. Carciochi, W., R. Schwalbert, F. Andrade, G. Corassa, P. Carter, A. Gaspar, J. Schmidt, and I.A. **Ciampitti**. 2019. Soybean seed yield response to plant density by yield environment in North America. *Agron. J.* (first look). doi: 10.2134/agronj2018.10.0635
9. Ortez, O.S., S. Tamagno, F. Salvagiotti, P.V. Vara Prasad, and I.A. **Ciampitti**. 2019. Soybean nitrogen sources and demand during the seed filling period. *Agron. J.* (first look). doi: 10.2134/agronj2018.10.0656
10. He, P., I.A. **Ciampitti**, S.Q. Zhang, X. Xu, S. Qiu, and S. Zhao. 2019. Change in straw decomposition rate and soil microbial community composition after straw addition in different fertilization soils. *Applied Soil Ecology* (accepted, in press).
11. Assefa Y., L.C. Purcell, M. Salmeron, S. Naeve, S.N. Casteel, P. Kovács, S. Archontoulis, M. Licht, F. Below, H. Kandel, L.E. Lindsey, J. Gaska, S. Conley, C. Shapiro, J.M. Orłowski, B.R. Golden, G. Kaur, M. Singh, K. Thelen, R. Laurenz, D. Davidson and I.A. **Ciampitti**. 2019. Assessing Variation in US Soybean Seed Composition (Protein and Oil). *Front. Plant Sci.* **10**:298. doi: 10.3389/fpls.2019.00298
12. Araya, A., P.H. Gowda, B. Golden, A.J. Foster, J. Aguilar, R. Currie, I.A. **Ciampitti**, and P.V.V. Prasad, 2019. Economic value and water productivity of major irrigated crops in the Ogallala aquifer region. *Agricultural Water Management*, **214**, 55–63. <https://doi.org/10.1016/J.AGWAT.2018.11.015>
13. Obeng, E., A.K. Obour, N.O. Nelson, J.A. Moreno, I.A. **Ciampitti**, D. Wang, and T.P. Durrett. 2019. Seed yield and oil quality as affected by Camelina cultivar and planting date. *Journal of Crop Improvement*, 1–21. <https://doi.org/10.1080/15427528.2019.1566186>
14. Santos Hansel, D. S., R. A. Schwalbert, D. E. Shoup, D. L. Holshouser, R. Parvej, P.V. V. Prasad, and I. A. **Ciampitti**. 2019. A Review of Soybean Yield when Double-Cropped after Wheat. *Agron. J.* **0**. doi:10.2134/agronj2018.06.0371
15. Andrade, J. F., J.I. Rattalino Edreira, S. Mourtzinis, S.P. Conley, I.A. **Ciampitti**, J.E. Dunphy, J.M. Gaska, K. Glewen, D.L. Holshouser, H.J. Kandel, P. Kyveryga, C.D. Lee, M.A. Licht, L.E. Lindsey, M.A. McClure, S. Naeve, E.D. Nafziger, J.M. Orłowski, J. Ross, M.J. Staton, L. Thompson, J.E. Specht, and P. Grassini. 2019. Assessing the influence of row spacing on soybean yield using experimental and producer survey data. *Field Crops Res.* **230**: 98-106.
16. Tamagno, S., V.O. Sadras, J.W. Haegerle, P.R. Armstrong, and I.A. **Ciampitti**. 2018. Interplay between nitrogen fertilizer and biological nitrogen fixation in soybean: implications on seed yield and biomass allocation. *Scientific Reports* **8**, 17502.
17. Carciochi, W. D., N. Wyngaard, N. I. Reussi Calvo, A. Pagani, G. A. Divito, H. E. Echeverría, and I. A. **Ciampitti**. 2018. Critical Sulfur Dilution Curve and Sulfur Nutrition Index in Maize. *Agron. J.* **0**. doi:10.2134/agronj2018.07.0467
18. Assefa, Y., N. Bajjalieh, S. Archontoulis, S. Casteel, D. Davidson, P. Kovacs, S. Naeve, and I.A. **Ciampitti**. 2018. Spatial Characterization of Soybean Yield and Quality (Amino Acids, Oil, and Protein) for United States. *Scientific Reports* **8**, 14653.
19. AlKhalifah, N., D. A. Campbell, C. M. Falcon, J. M. Gardiner, N. D. Miller, M. C. Romay, I. A. **Ciampitti**, et. al., and C.J. Lawrence-Dill. 2018. Maize Genomes to Fields: 2014 and 2015 field season genotype, phenotype, environment, and inbred ear image datasets. *BMC Research Notes*, **11**(1), 452. <http://doi.org/10.1186/s13104-018-3508-1>

20. Assefa, Y., P. Carter, M. Hinds, G. Bhalla, R. Schon, M. Jeschke, S. Paszkiewicz, S. Smith, and I.A. **Ciampitti**. 2018. Analysis of Long Term Study Indicates Both Agronomic Optimal Plant Density and Increase Maize Yield per Plant Contributed to Yield Gain. *Scientific Reports* 8, 4937.
21. Corassa, G. M., T. J. C. Amado, M. L. Strieder, R. Schwalbert, J. L. F. Pires, P. R. Carter, and I. A. **Ciampitti**. 2018. Optimum Soybean Seeding Rates by Yield Environment in Southern Brazil. *Agron. J.* 110:2430-2438. doi:10.2134/agronj2018.04.0239
22. Corassa, G. M., F. D. Hansel, R. Lollato, J. L. F. Pires, R. Schwalbert, T. J. C. Amado, E. M. Guarienti, R. Gaviraghi, M. B. Bisognin, G. B. Reimche, A. L. Santi, and I. A. **Ciampitti**. 2018. Nitrogen Management Strategies to Improve Yield and Dough Properties in Hard Red Spring Wheat. *Agron. J.* 110:2417-2429. doi:10.2134/agronj2018.02.0075
23. Andrade, J.F., et al., I.A. **Ciampitti**, et al., J.E. Dunphy, L. Thompson, J.E. Specht, and P. Grassini. 2019. Assessing the influence of row spacing on soybean yield using experimental and producer survey data. *Field Crops Research* 230: 98-106.
24. **Ciampitti**, I. A., and F. Salvagiotti. 2018. New Insights into Soybean Biological Nitrogen Fixation. *Agron. J.* 110:1185-1196. doi:10.2134/agronj2017.06.0348
25. Ortez, O. A., F. Salvagiotti, J. M. Enrico, P. V. V. Prasad, P. Armstrong, and I. A. **Ciampitti**. 2018. Exploring Nitrogen Limitation for Historical and Modern Soybean Genotypes. *Agron. J.* 0. doi:10.2134/agronj2018.04.0271
26. Schwalbert, R.A., T.J.C. Amado, L. Nieto, S. Varela, G.M. Corassa, T.A.N. Horbe, C.W. Rice, N.R. Peralta, and I.A. **Ciampitti**. 2018. Forecasting maize yield at field scale based on high-resolution satellite imagery. *Biosys. Eng.* 171:179-192. <https://doi.org/10.1016/j.biosystemseng.2018.04.020>
27. Schwalbert, R., T. J.C. Amado, T. A. N. Horbe, L. O. Stefanello, Y. Assefa, P.V. Vara Prasad, C. W. Rice, and I. A. **Ciampitti**. 2018. Corn yield response to plant density and nitrogen: Spatial models and yield distribution. *Agron. J.* 110:970-982. doi:10.2134/agronj2017.07.0425
28. Mourtzinis, S., J.I. Rattalino Edreira, P. Grassini, A.C. Roth, S.N. Casteel, I.A. **Ciampitti**, H.J. Kandel, P.M. Kyveryga, M.A. Licht, L.E. Lindsey, D.S. Mueller, E.D. Nafziger, S.L. Naeve, J. Stanley, M.J. Staton, S.P. Conley. 2018. Sifting and winnowing: Analysis of farmer field data for soybean in the US North-Central region. *Field Crops Research* 221:130-141.
29. Maciel de Oliveira S., R.E.M. de Almeida, I.A. **Ciampitti**, J.C. Pierozan, B.C. Lago, P.C.O. Trivelin, and J.L. Favarin. 2018. Understanding N timing in corn yield and fertilizer N recovery: An insight from an isotopic labeled-N determination. *PLoS ONE* 13(2) <https://doi.org/10.1371/journal.pone.0192776>
30. Varela, S., P.R. Dhodda, W.H. Hsu, P.V.V. Prasad, Y. Assefa, N.R. Peralta, T. Griffin, A. Sharda, A. Ferguson, and I.A. **Ciampitti**. 2018. Early-Season Stand Count Determination in Corn via Integration of Imagery from Unmanned Aerial Systems (UAS) and Supervised Learning Techniques. *Remote Sens.* 10, 343.
31. Corassa, G. M., T. J. C. Amado, T. Liska, A. Sharda, J. Fulton, and I. A. **Ciampitti**. 2018. Planter Technology to Reduce Double-Planted Area and Improve Corn and Soybean Yields. *Agron. J.* 110:300-310. doi:10.2134/agronj2017.07.0380
32. Long, N.V., Y. Assefa, R. Schwalbert, and I.A. **Ciampitti**. 2017. Maize Yield and Planting Date Relationship: A Synthesis-Analysis for US High-Yielding Contest Winner and Field Research Data. *Front. Plant Sci.* doi: 10.3389/fpls.2017.02106
33. Balboa, G.R., V.O. Sadras, and I.A. **Ciampitti**. 2017. Shifts in Soybean Yield, Nutrient Uptake, and Nutrient Stoichiometry: A Historical Synthesis-Analysis. *Crop Sci.* doi:10.2135/cropsci2017.06.0349
34. Assefa, Y., P. V. V. Prasad, P. Carter, M. Hinds, G. Bhalla, R. Schon, M. Jeschke, S. Paszkiewicz, and I. A. **Ciampitti**. 2017. A New Insight into Corn Yield: Trends from 1987 through 2015. *Crop Sci.* 57:2799-2811.
35. Rattalino Edreira, J.I., S. Mourtzinis, I.A. **Ciampitti**, et al., and P. Grassini. 2017. Assessing causes of yield gaps in agricultural areas with diversity in climate and soils. *Agric. Forest. Meteorol.* 247, 170-180.