

# Romulo P. Lollato

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## MISSION

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To develop and disseminate information about best management practices aimed at improving profitability and sustainability of small-grains based systems in the U.S. southern Great Plains.

## EDUCATION

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- Doctor of Philosophy in Crop Sciences** Jan 2013 – Jul 2015  
*Oklahoma State University* Stillwater, OK, USA  
Dissertation: "Limits to hard red winter wheat productivity in the southern Great Plains". GPA: 4.0
- Master of Science in Plant and Soil Sciences** Aug 2010 – Dec 2012  
*Oklahoma State University* Stillwater, OK, USA  
Thesis: "Agronomic and economic response of hard red winter wheat to multiple liming and fertilization strategies". GPA: 4.0
- Undergraduate exchange student in Plant and Soil Sciences** Aug 2008 – Dec 2008  
*Oklahoma State University* Stillwater, OK, USA  
Tuition, fees, and monthly stipend fully sponsored by the CAPES-FIPSE initiative. GPA: 4.0
- Bachelor of Science in Agricultural Engineering** Jan 2005 - Dec 2009  
*Londrina State University* Londrina, PR, Brazil  
Thesis: "Interaction of genotype by environment on grain yield and quality of promising common bean (*Phaseolus vulgaris* L.) lines pertaining to the white commercial group". GPA: 8.8/10  
Honors: highest average in the 2009 Agricultural Engineering class.

## PROFESSIONAL EXPERIENCE

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*Kansas State University, Manhattan, KS, USA*

**Assistant Professor, Wheat and Forages Extension Specialist**

Aug 2015 – Present

Provide leadership for an interdisciplinary team developing a strong Extension (80%) and applied research (20%) programs focused on winter wheat and forages production for Kansas and the Central Great Plains. Development of traditional and non-traditional educational programs for a broad agriculture-related clientele to diffuse agronomic information. Leading of an extramurally-funded applied research program which complements and supports the extension program, including the training of graduate students and publication of research results in refereed journals.

*Oklahoma State University, Stillwater, OK, USA*

Ph.D. Graduate Research Associate

Jan 2013 – Jul 2015

Advisor: Dr. Jeffrey T. Edwards

Research focused on characterization of wheat development and yield under non-limiting conditions in a wide range of environments in the southern Great Plains. An additional focus of my research was modeling soil water dynamics in summer fallow systems and using available crop simulation models to study long-term weather effects on wheat yield. Other research areas included wheat response to a soil pH and aluminum concentration gradient. I taught one lab section of the course introduction to soil science during two semesters, and developed and delivered lectures of crop physiology for an undergraduate/graduate level crop ecology course. I developed training plans for exchange visitors, managed undergraduate workers, gave extension presentations, and helped conduct the Oklahoma small grains variety performance test.

*Oklahoma State University, Stillwater, OK, USA*

M.S. Graduate Research Assistant

Aug 2010 – Dec 2012

Advisor: Dr. Jeffrey T. Edwards

My M.S. thesis research involved wheat responses to different liming strategies in acidic soils. In addition, I used long-term atmospheric weather data and soil moisture data from the Oklahoma Mesonet to assess drought probabilities in Oklahoma, and evaluated the effects of a long-term no-tillage system on soil organic matter dynamics in Brazil. I helped conduct the small grains wheat variety-performance tests, and performed extension presentations on regional meetings and field days.

*Cargill Company, Sao Paulo, SP, Brazil*

Junior Analyst for the Agribusiness Intelligence Team

Aug 2009 – June 2010

My primary responsibilities included forecasting total corn, soybean, and wheat production in Brazil based on field inspections, in-situ yield estimations, and crop area surveys using GIS software, thus enabling Cargill to better position themselves in the commodities market.

*National Institute of Farming and Livestock Technology (INTA), Cerrillos, Salta, Argentina*

Intern in Edible Bean Breeding

Jan 2008 – Feb 2008

Advisor: Susana Garcia Medina

Performed general field activities such as trial planting, calibration of machinery, and selection of most adapted bean lines. Additionally, I explored exportation opportunities for Brazil in the white and colored beans market.

*Agronomic Institute of Parana (IAPAR), Londrina, PR, Brazil*

Intern in Edible Bean Breeding

Aug 2006 – July 2008

Advisor: Dr. Vania Moda-Cirino

Researched and presented results in national meetings, focusing on the analysis of genotype by environment interaction effects on agronomic and nutritional factors of common bean.

*Romulo P. Lollato*  
08/27/2018

## EXTRAMURAL SUPPORT

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### Competitive grants awarded to date (2015-2018):

- Total: \$919,449
- Allocated to Lollato: \$539,617

### Multi-sponsored support awarded to date (2015-2018):

- Total: \$387,262
- Allocated to Lollato: \$366,347

### *Selected projects:*

- **Lollato, R.P.**, D.R. Diaz, R. Miller, L. Haag, and S. Duncan. 2017-2018. Kansas yield-enhancing strategies (KYES): II. Variety by management interactions. Kansas Wheat Commission. \$118,904
- **Lollato, R.P.**, A. Fritz, and D.R. Diaz. 2016-2018. Wheat Nutrient Uptake and Partitioning as Affected by Era of Variety Release and Balanced Nutrition. Kansas Wheat Commission. \$103,646.
- Nelson, N., **R.P. Lollato**, D. Ruiz-Diaz, B. Jaenisch, M. Guttieri, A. Fritz, and B. Seabourn. 2018-2021. Improving Wheat Yield and Quality with Balanced Sulfur and Nitrogen Management. \$174,497/year.
- **Lollato, R.P.**, D.R. Diaz, G. Cramer, and A.J. Foster. 2015-2017. Kansas yield enhancing strategies (KYES). I) the partial contribution of management practices. Kansas Wheat Commission. \$46,560.
- **Lollato, R.P.**, E. DeWolf, M. Knapp, and C. Redmond. 2016-2017. Extension resources for Kansas Wheat Producers. Kansas Wheat Commission, Kansas Wheat Alliance, Kansas Crop Improvement Association. \$36,500.
- Asebedo, R., J. Poland, and **R.P. Lollato**. 2015-2016. Developing massively-parallel phenotyping systems for winter wheat. Kansas Wheat Alliance. \$74,702.
- **Lollato, R.P.**, D. Ruiz-Diaz, and A.R. Asebedo. 2018-2019. Managing nitrogen to maximize wheat yield and protein. Winfield United. \$61,856.
- **Lollato, R.P.**, and C. Moorberg. 2017-2018. Specialty fertilizer effects on above- and below-ground wheat growth, grain yield, and yield components. Centre de l'Innovation Roullier. \$51,680.
- **Lollato, R.P.**, D. Presley, P. Tomlinson, D. Ruiz Diaz, A. Patrignani, E. Brokesh, and T. Griffin. 2016. Sustainable Kansas Wheat – Pilot project: A Field-to-Market Field Print calculator project. American Bakers Association. \$50,000.
- Santos, E., D.R. Diaz, and **R.P. Lollato**. 2016. Evaluation of urea N fertilizer volatilization from topdressing wheat under cold weather conditions. KOCH Fertilizer industries. \$28,200.
- **Lollato, R.P.** Quantifying hail damage to wheat productivity. National Crop Insurance Services (NCIS). \$30,000.
- **Lollato, R.P.**, and A.J. Foster. 2016/2017. Biological seed treatments effect on alfalfa forage yield and quality. Monsanto BioAg. \$41,259.

## LEADERSHIP AND SERVICE TO PROFESSION

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- Associate editor for Agronomy Journal (2017-2019).
- Vice (2018) and upcoming (2019) chair of the ASA community “Wheat Initiative Agronomists”.
- Invited to be the only university member of the committee “National Wheat Foundation: Wheat yield contest”, otherwise composed solely by private companies. 2016 – Present.
- Member of five different committees at Kansas State University at the College (Kansas State Research and Extension IT Committee) and Department (Foundation Seed Committee; Variety Performance Test Committee; E.G. Heyne Crop Science Lectureship committee; North-Central Kansas and Irrigation Field committee) levels. 2015 – Present.
- Manuscript reviewer for Agricultural and Forest Meteorology; Agrarian; Agronomy; Agronomy Journal; Crop Science; Crop and Pasture Science; Ciência Rural; Crop, Forage, and Turfgrass Management; Field Crops Research; Journal of Applied Farm Economics; and Precision Agriculture. 2013 – Present.
- Committee member of “Kansas Agricultural Retailers Association (KARA) Membership and Training Committee” and K-State coordinator of the “KARA Crop Production Update” meeting (over 100 attendees/year). 2016 – Present.
- Invited to be international consultant for the peer reviewed journal “Science and Technology Innovation in Agronomy” (UNIFAFIBE, Bebedouro, São Paulo, Brazil). 2016 – Present.
- Served as mentor for the Graduate Student Networking Session at the ASA, CSSA, SSSA meeting in Phoenix, AZ (November 2016) and Tampa, FL (October 2017).
- Moderated the ASA section “Applied agronomic research and extension” during the 2016 ASA-CSSA-SSSA meeting in Phoenix, AZ.
- Judge for graduate student poster competitions (sessions C03, C06, and Wheat Initiative Agronomists within ASA, SSSA, CSSA international meetings).
- Judge for 4-H/FFA wheat grain samples and state competitions in Kansas.

## SKILLS

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- Languages: fluent in English and Portuguese; intermediate in Spanish.
- Software: ArcGIS (mapping), SAS, Matlab, R, Genes (statistical), SigmaPlot (graphing), SigmaScan, Canopeo, and Image J (image analysis).
- Crop simulation models: AquaCrop, CERES Models (DSSAT), Simple Simulation Modeling.
- Operation of instruments: LI-3100 leaf area meter, LI-191 line quantum sensor, SPAD meter, Greenseeker Sensor for Normalized Difference Vegetative Index, handheld Greenseeker.
- Certified RAM Sealed sources - Portable Nuclear Density/Moisture Gauge User.

## HONORS AND AWARDS

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- *Editor's Citation for Excellence Award*. American Society of Agronomy Agronomy Journal Associated Editor Award. 2017.
- *Certificate of Excellence for publication less than 16 pages "Dual-purpose wheat: improving grazing management using a smartphone app"*. American Society of Agronomy Extension Educational Materials Program. 2017.
- *Outstanding Ph.D. student*. Department of Plant and Soil Sciences, Oklahoma State University. 2015.
- *First Place Poster in Graduate Student Poster Competition – Ph.D. Division*. In: Crop Science Society of America Division C03: Crop Ecology, Management, and Quality. ASA CSSA SSSA International Annual Meetings, Long Beach, CA. 2014.
- *Recipient of the Kansas S.H.A.R.E. Applied Wheat Research Graduate Scholarship*. Department of Plant and Soil Sciences, Oklahoma State University. 2014.
- *Recipient of the Ralph S. Matlock Memorial Scholarship*. Department of Plant and Soil Sciences, Oklahoma State University. 2014.
- *Outstanding M.S. Student*. Department of Plant and Soil Sciences, Oklahoma State University. 2013.
- *Second Place Poster in Graduate Student Poster Competition – M.S. Division*. In: Crop Science Society of America Division C03: Crop Ecology, Management, and Quality. ASA CSSA SSSA International Annual Meetings, Cincinnati, OH. 2012.
- *Recipient of the Williams Distinguished Graduate Fellowship*. Department of Plant and Soil Sciences, Oklahoma State University. 2012.
- *Recipient of the Oliver H. "Buck" and Bessie Breusing Centennial Graduate Scholarship*. Department of Plant and Soil Sciences, Oklahoma State University. 2011.
- *Third Place Poster in Graduate Student Poster Competition – M.S. Division*. In: Crop Science Society of America Division C03: Crop Ecology, Management, and Quality. ASA CSSA SSSA International Annual Meetings, San Antonio, TX. 2011.
- *Highest GPA in the 2009 Agricultural Engineering Class*. Department of Agronomy, Londrina State University, Londrina, Parana, Brazil. 2009.
- *Student of the week at Oklahoma State University*. Department of Plant and Soil Science, Oklahoma State University, Stillwater, OK. 2008.
- *CAPES-FIPSE scholar*. Undergraduate exchange program fully sponsored (tuition, fees, and a monthly stipend) by the CAPES-FIPSE Brazil-USA initiative. Aug. – Dec. 2008.
- *PIBIC/CNPq scholar*. Wrote two grant proposals and got funded for two consecutive years to study the G x E interaction of common beans (*Phaseolus vulgaris* L.) in southern Brazil. 2006 and 2007.

## MEMBERSHIP IN PROFESSIONAL OR HONOR SOCIETIES

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- American Society of Agronomy
- Crop Science Society of America
- Soil Science Society of America
- The Honor Society of Phi Kappa Phi
- The Honor Society of Gamma Sigma Delta

## STUDENT ADVISING

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### Major advisor

- Ph.D.:
  - Brent Jaenisch. . *Ph.D. in Agronomy*. Spring 2018 - fall 2020.
  - Amanda de O. Silva. *Ph.D. in Agronomy*. Fall 2016 - fall 2019.
- M.S.:
  - Brent Jaenisch. *M.S. in Agronomy*. Spring 2016 - fall 2017.
  - Rafael Maeoka. *M.S. in Agronomy*. Spring 2017 - fall 2018.
  - Cody Brown. *M.S. in Agronomy*. Spring 2018 - fall 2019.
- Assistant scientists:
  - Lucas Berger Munaro. *Assistant scientist*. August 2018 – present.
  - Edwin Navia. *Assistant scientist*. August 2017 – present.
- Visiting scholars:
  - Caio Rapolla Rezente. *Visiting scholar*. August 2018 – present.
  - Leonardo Molssato. *Visiting scholar*. May 2018 – present.
  - Jose Guilherme C. P. Pinto. *Visiting scholar*. January 2018 – present.
  - Felipe Spolidorio. *Visiting scholar*. January 2018 – present.
  - Vitor Rampazzo Favoretto. *Visiting scholar*. August 2017 – December 2017.
  - Augusto Dubou Serafim. *Visiting scholar*. May 2017 – February 2018.
  - Guilherme Bavia. *Visiting scholar*. January 2017 – December 2017.
  - Jessica Lavorenti. *Visiting scholar*. January 2017 – December 2017.
  - Cintia Sciarresi. *Visiting scholar*. May 2016 – July 2017.
  - Larissa Bonassi. *Visiting scholar*. May 2016 – May 2017.
  - Amanda de Oliveira Silva. *Visiting scholar*. January 2016 – July 2016/January – July 2017
  - Rafael Maeoka. *Visiting scholar*. September 2015 – December 2016.
- Hourly undergraduate students:
  - Rodrigo Arrellaga Sosa. *Hourly undergraduate student*. May 2017 – present.
  - Kavan Mark. *Hourly undergraduate student*. May 2017 – present.
  - Talha Shahryar. *Hourly undergraduate student*. August 2016 – present.
  - Amy Jorgensen. *Hourly undergraduate student*. April 2016 – May 2017.

## Graduate committee member

- Fernando Dubou Hansel (Univ. Federal Santa Maria, Brazil. Main advisor: Telmo Amado, degree: Ph.D. in Agronomy. Graduation: Summer 2016).
- Blake Bergkamp (Kansas State University. Main advisor: Krishna Jagadish, degree: M.S. in Agronomy).
- Ana J. Azevedo (Kansas State University. Main advisor: Ignacio Ciampitti, degree: M.S. in Agronomy).
- Ashley Lorence (Kansas State University. Main advisor: Ray Asebedo, degree: M.S. in Agronomy).
- Ryan Schmid (Kansas State University. Main advisor: Brian McCornack, degree: Ph.D. in Entomology).
- Vinicius Perin (Kansas State University. Main advisor: Eduardo A. Santos, degree: M.S. in Agronomy).
- Byron Everts (Kansas State University. Main advisor: Jesse Poland, degree: Ph.D. in Agronomy).
- Mosaed Majrashi (Kansas State University. Main advisor: Colby Moorberg, degree: Ph.D. in Agronomy).

## PUBLICATIONS

### Refereed Journal Articles (3 submitted, 13 accepted or published)

- Schmid, R., T. Hefley, **R.P. Lollato**, and B. McCornack. 2018. Landscape effects on Hessian fly, *Mayetiola destructor* (Diptera: Cecidomyiidae), distribution within six Kansas commercial wheat fields. *Submitted to Agriculture, Ecosystems and Environment*.
- **Lollato, R.P.**, D. Ruiz-Diaz, E. DeWolf, M. Knapp, D. Peterson, and A.K. Fritz. 2018. Agronomic practices for reducing wheat yield gaps: a quantitative appraisal of progressive producers. *Submitted to Crop Science*.
- Assefa, Y., **R.P. Lollato**, P.V.V. Prasad, C. Foster, Y. Wright, S. Young, P. Bradley, K. Goering, and I.A. Ciampitti. 2018. Yield response to plant density in wheat: a synthesis-analysis. *Submitted to Crop Science*.
- Jaenisch, B.R., A. de Oliveira Silva, D. Ruiz-Diaz, E. DeWolf, and **R.P. Lollato**. 2018. Plant population and fungicide economically reduced winter wheat yield gap in Kansas. *Agron. J. Accepted*.
- **Lollato, R.P.**, T.E. Ochsner, D.B. Arnall, T. Griffin, and J.T. Edwards. 2018. From field experiments to regional forecasts: upscaling wheat grain and forage yield response to acidic soils. *Agron. J. Accepted*.
- Corassa, G., F.D. Hansel, **R.P. 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.* 110:1-13.

- Cruppe, G., J.T. Edwards, and **R.P. Lollato**. 2017. In-season canopy reflectance can aid fungicide and late-season nitrogen decisions on winter wheat. *Agron. J.* 109(5):1-15.
- A. Araya, I. Kisekka, P.V.V. Prasad, J. Holman, A.J. Foster, and **R.P. Lollato**. 2017. Assessing wheat yield, biomass, and water productivity responses to growth stage based irrigation water allocation. *Transactions of the ASABE.* 60(1): 107-121.
- **Lollato, R.P.**, J.T. Edwards, and T.E. Ochsner. 2017. Meteorological limits to winter wheat productivity in the southern Great Plains. *Field Crops Res.* 203: 212-226.
- **Lollato, R.P.**, A. Patrignani, T.E. Ochsner, and J.T. Edwards. 2016. Prediction of plant available water at sowing in continuous wheat systems in the southern Great Plains. *Agron. J.* 108(2):745-757.
- **Lollato, R.P.** and J.T. Edwards. 2015. Maximum attainable wheat yield and resource-use efficiency in the southern Great Plains. *Crop Sci.* 55(6):2863-2876.
- Patrignani, A., **R.P. Lollato**, T.E. Ochsner, C.B. Godsey, and J.T. Edwards. 2014. Yield gap and production gap of rainfed winter wheat in the southern Great Plains. *Agron. J.* 106:1329-1339.
- Sutradhar, A., **R.P. Lollato**, K. Butchee, and D.B. Arnall. 2014. Determining critical soil pH for sunflower production. *Int. J. Agron.* 2014:1-13.
- **Lollato, R.P.**, J.T. Edwards, and H. Zhang. 2013. Effect of alternatives soil acidity amelioration strategies on soil pH distribution and wheat agronomic response. *Soil Sci. Soc. Am. J.* 77:1831-1841.
- Torres, G.M., **R.P. Lollato**, and T.E. Ochsner. 2013. Comparison of drought probability assessments based on atmospheric water deficit and soil water deficit. *Agron. J.* 105:428-436.
- **Lollato, R.P.**, M.A. Lollato, and J.T. Edwards. 2012. Soil organic carbon replenishment through long-term no-till on a Brazilian family farm. *J. Soil Water Cons.* 67:74A-76A.

#### **Numbered Extension Publications (32)**

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- **Lollato, R.P.** 2018. Wheat Growth and Development. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3300.
- De Wolf, E., **R.P. Lollato**, and R.J. Whitworth. 2018. Wheat variety disease and insect ratings 2018. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF991.
- Lingenfelter, J., H. Davis, E. DeWolf, A. Fritz, M. Knapp, **R.P. Lollato**, R. Miller, J. Whitworth, E. Adee, G. Cramer, A. Esser, J. Kimball, M. Larson, K. Thompson, L. Haag, L. Mengarelli, A. Schlegel, C. Seaman, G. Zhang, and J. Knopf. 2018. 2018 Kansas Wheat Seed Book. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. RP1128 and 1125.
- **Lollato, R.P.**, A. de Oliveira Silva, B.R. Jaenisch, R.E. Maeoka, L. Bonassi, K. Mark, F. Spolidorio, J.G.C.P. Pinto, and J. Lingenfelter. 2018. Wheat variety date of first hollow stem and grain yield 2018. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3312.

- **Lollato, R.P.**, and D. Min. 2017. Alfalfa growth and development. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3348.
- **Lollato, R.P.**, G. Cramer, J. Lavorenti, R.E. Maeoka, L. Bonassi, G. Bavia, and C. Sciarresi. 2017. Wheat variety date of first hollow stem, fall forage yield, and grain yield 2017. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3312.
- De Wolf, E., **R.P. Lollato**, and R.J. Whitworth. 2017. Wheat variety disease and insect ratings 2017. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF991.
- Lingenfelter, J., E. DeWolf, A. Fritz, M. Knapp, R.P. Lollato, R. Miller, S. Watson, J. Whitworth, E. Adee, G. Cramer, A. Esser, J. Kimball, M. Larson, L. Haag, L. Mengarelli, A. Schlegel, C. Seaman, G. Zhang, M. Chen, R. Chen, L. Knapp, A. King, and J. Knopf. 2017. 2017 Kansas wheat seed book. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. RP1128 and 1125.
- **Lollato, R.P.**, D. Marburger, J.D. Holman, P. Tomlinson, D. Presley, and J.T. Edwards. 2017. Dual-purpose wheat: management for forage and grain production. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3375; Okla. Coop. Ext. Pub. PSS-2178.
- Zhang, G., A. K. Fritz, **R.P. Lollato**, and Erick DeWolf. 2017. Tatanka hard red winter wheat. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. L939.
- **Lollato, R.P.**, S. Duncan, A.J. Foster, D. Shoup, and L. Haag. 2016. Wheat demonstration plots: establishing, conducting, and reporting data. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3317.
- Lingenfelter, J., B. Bockus, E. DeWolf, A. Fritz, **R.P. Lollato**, R. Miller, J. Whitworth, E. Adee, G. Cramer, A. Esser, J. Kimball, M. Larson, P. Evans, L. Mengarelli, A. Schlegel, C. Seaman, G. Zhang, M. Chen, R. Chen, A. King, J. Knopf, and C. Bonhert. 2016. 2016 Kansas Wheat Seed Book. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. RP1128 and 1125.
- **Lollato, R.P.**, A. Patrignani, T.E. Ochsner, A. Rocateli, P. Tomlinson, and J.T. Edwards. 2016. Dual-Purpose Wheat: Improving Grazing Management Using a Smartphone App. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3304; Okla. Coop. Ext. Pub. PSS-2170.
- **Lollato, R.P.**, G. Cramer, A. de O. Silva, B. Jaenisch, R. Maeoka, J. Lingenfelter. 2016. Wheat Variety Date of First Hollow Stem, Fall Forage Yield, and Grain Yield 2016. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3312.
- De Wolf, E., **R.P. Lollato**, and R.J. Whitworth. 2016. Wheat Variety Disease and Insect Ratings 2016. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF991.
- **Lollato, R.P.** 2016. Wheat Growth and Development. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. MF3300.
- Zhang, G., T. J. Martin, A. K. Fritz, and **R.P. Lollato**. 2016. Joe Hard White Winter Wheat. Kansas St. Univ. Agric. Exp. St. and Coop. Ext. Serv. L938.
- Edwards, J., R. Calhoun, B. Carver, **R.P. Lollato**, and G. Cruppe. 2015. Protein content of winter wheat varieties in Oklahoma – 2015. Okla. Coop. Ext. Pub. CR-2135.

- Edwards, J., S.R. Calhoun, **R.P. Lollato**, G. Cruppe, B.F. Carver, and R.M. Hunger. 2015. Oklahoma small grains variety performance tests 2015-2015. Okla. Coop. Ext. Pub. CR-2143.
- Edwards, J., R. Calhoun, M. Knori, **R.P. Lollato**, and G. Cruppe. 2015. Fall forage production and date of first hollow stem in winter wheat varieties during the 2014-2015 crop year. Okla. Coop. Ext. Pub. CR-2141.
- **Lollato, R.P.**, J.T. Edwards, and H. Zhang. 2015. Effectiveness of in-furrow pelletized lime for winter wheat grown in low soil pH. Okla. Coop. Ext. Pub. PSS-2164.
- Edwards, J.T., R.D. Kochenower, B.F. Carver, **R.P. Lollato**, G. Cruppe, M.W. Knori, and R.S. Calhoun. 2014. Protein content of winter wheat varieties in Oklahoma 2014. Okla. Coop. Ext. Pub. CR-2135.
- Edwards, J.T., R.D. Kochenower, R.S. Calhoun, M.W. Knori, **R.P. Lollato**, G. Cruppe, B.F. Carver, and R.M. Hunger. 2014. Oklahoma Small Grains Variety Performance Tests 2013–2014. Okla. Coop. Ext. Pub. CR-2143.
- Edwards, J.T., R.S. Calhoun, M.W. Knori, **R.P. Lollato, R.P.**, and G. Cruppe. 2014. Fall forage production and date of first hollow stem in winter wheat varieties during the 2013-2014 crop year. Okla. Coop. Ext. Pub. CR-2141.
- Edwards, J.T., R.D. Kochenower, B.F. Carver, **R.P. Lollato**, G. Cruppe, M.W. Knori, and R.E. Austin. 2013. Protein content of winter wheat varieties in Oklahoma 2013. Okla. Coop. Ext. Pub. CR-2135.
- Edwards, J.T., R.D. Kochenower, R.E. Austin, M.W. Knori, **R.P. Lollato**, G. Cruppe, B.F. Carver, and R.M. Hunger. 2013. Oklahoma Small Grains Variety Performance Tests 2012-2013. Okla. Coop. Ext. Pub. CR-2141.
- Edwards, J.T., R.E. Austin, M.K. Knori, **R.P. Lollato**, and G. Cruppe. 2013. Fall forage production and date of first hollow stem in winter wheat varieties during the 2012-2013 crop year. Okla. Coop. Ext. Pub. CR-2141.
- Edwards, J.T., R.D. Kochenower, R.E. Austin, B.F. Carver, **R.P. Lollato**, and G. Cruppe. 2012. Protein content of winter wheat varieties in Oklahoma 2012. Okla. Coop. Ext. Pub. CR-2135.
- Edwards, J.E., R.E. Austin, and **R.P. Lollato**. 2012. Fall forage production and date of first hollow stem in winter wheat varieties during the 2011-2012 crop year. Okla. Coop. Ext. Pub. CR-2141.
- Edwards, J.T., R.D. Kochenower, R.E. Austin, **R.P. Lollato**, B.F. Carver, and R.M. Hunger. 2012. Oklahoma Small Grains Variety Performance Tests. 2011 – 2012. Okla. Coop. Ext. Pub. CR-2143.
- Edwards, J.T., R.D. Kochenower, R.E. Austin, B.F. Carver, **R.P. Lollato**, J.D. Butchee, C.J. Andrews, and J.D. Ladd. 2011. Protein content of winter wheat varieties in Oklahoma 2011. Okla. Coop. Ext. Pub. CR-2135.

- Edwards, J.T., R.D. Kochenower, R.E. Austin, J.D. Ladd, B.F. Carver, R.M. Hunger, J.D. Butchee, C.J. Andrews, and **R.P. Lollato**. 2011. Oklahoma Small Grains Variety Performance Tests. 2010 - 2011. Okla. Coop. Ext. Pub. CR-2143.

### Scientific proceedings (16)

- **Lollato, R.P.**, A. de Oliveira Silva, R. E. Maeoka, G. P. Bavia, L. Bonassi, and B. R. Jaenisch. 2018. Timing and Positioning of Simulated Hail Damage Effects on Wheat Yield in Kansas: 2015–2016 and 2016–2017 Growing Seasons. Kansas Agricultural Exp. St. Research Report 4.
- **Lollato, R.P.**, G. Zhang, B. R. Jaenisch, R. Maeoka, L. Bonassi, and A. K. Fritz. 2018. Wheat Variety Response to Seeding Rate in Kansas During the 2015–2016 and 2016– 2017 Growing Seasons. Kansas Agricultural Exp. St. Research Report 4.
- Maeoka, R.E., and **R.P. Lollato**. 2018. Wheat development and yield as affected by ear of variety release and in-furrow fertilizer. Kansas Agricultural Exp. St. Research Report 4.
- Jaenisch, B.R., and **R.P. Lollato**. 2018. Plant population and fungicide treatment reduce winter wheat yield gap in Kansas. Kansas Agricultural Exp. St. Research Report 4.
- De Oliveira Silva, A., A.K. Fritz, E. DeWolf, and **R.P. Lollato**. 2018. Reducing the wheat yield gap through variety-specific management. Kansas Agricultural Exp. St. Research Report 4.
- A. J. Foster, **R.P. Lollato**, M. Vandever, E. D. De Wolf, and R. Currie. 2018. Value of Fungicide Application in Wheat Production in Southwest Kansas, 2018 Report. Southwest Research and Extension Center Report 4(8).
- **Lollato, R.P.**, and A.R. Asebedo. 2018. A comprehensive analysis of nitrogen rate and timing effects on wheat yield and protein. Great Plains Soil Fertility Conference – 2018. 17:14-20.
- De Oliveira Silva, A., and **R.P. Lollato**. 2018. Does intensive management shift macro- and micro-nutrient uptake and partitioning in winter wheat? In: Great Plains Soil Fertility Conference – 2018. 17:248-254.
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- Sassenrath, G., D. E. Shoup, and **R.P. Lollato**. 2017. Wheat production. Kansas Agric. Exp. St. Res. Reports 3(6).
- Azevedo, A.J., S. Varela, **R.P. Lollato**, and I.A. Ciampitti. 2017. Genotype by Seeding Rate Interaction in Wheat. Kansas Agric. Exp. St. Res. Reports 3(6).
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- **Lollato, R.P.** 2018. Romulo's top varieties for Kansas. In: Ehmke, L. *Wheat varieties for Kansas and the Great Plains 2019 – Your best choices*. 34 Star Publishing Inc.
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- Gazziero, D., **R.P. Lollato**, A.M. Brighenti, R.A. Pitelli, E. Voll. 2015. Soybean Weed Identification Manual. 2<sup>nd</sup> ed. (*In Portuguese - Manual de Identificação de Plantas Daninhas da Cultura da Soja, 2ª edição*). Londrina: Documentos - Embrapa Soja, 2015, v.1. ISSN 1516-781X
- Gazziero, D., A.M. Brighenti, **R.P. Lollato**, R.A. Pitelli, E. Voll, E. Oliveira, and R.T. Moriyama. 2006. Soybean Weed Identification Manual (*In Portuguese - Manual de Identificação de Plantas Daninhas da Cultura da Soja*). Londrina: Documentos - Embrapa Soja, 2006, v.1. ISBN: 1516781

### Abstracts and Presentations in Professional Meetings (49)

- **Lollato, R.P.**, and D. Marburger. Intensive Wheat Management for Yield and Quality: The Role of Genotype, Environment, and Management Practices. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Poster.
- **Lollato, R.P.**, B.M. Figueiredo, D.B. Arnall, and W.R. Raun. 2018. Wheat Response to Nitrogen, Phosphorus, and Potassium Fertilizer Rates and Their Interaction: A Synthesis Analysis for Dry Environments. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Oral presentation.

- Maeoka, R.E., and **R.P. Lollato**. 2018. Changes over Time in Winter Wheat Physiological Aspects Under Different Fertilization Practices. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Poster.
- Brown, C., and **R.P. Lollato**. 2018. Hard Red Winter Wheat Yield and Protein Response to Nitrogen Rate and Timing. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Poster.
- Jaenisch, B.R., and **R.P. Lollato**. 2018. Integrated Wheat Management for Improved Wheat Yield and Protein in Kansas. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Oral presentation.
- De Oliveira Silva, A., I.A. Ciampitti, G. Slafer, and **R.P. Lollato**. 2018. Nitrogen Utilization Efficiency in Wheat: A Synthesis-Analysis. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Oral presentation.
- Jaenisch, B.R., and **R.P. Lollato**. 2018. Wheat Grain Yield and Protein Concentration Response to Nitrogen and Sulfur Rates. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Poster.
- De Oliveira Silva, A., A.K. Fritz, J.T. Edwards, D.A. Marburger, and **R.P. Lollato**. 2018. Wheat Variety Response to Enhanced Management to Narrow Yield Gap in the Southern Great Plains. In: ASA CSSA SSSA International Annual Meetings, November 2018. Baltimore, MD. Poster.
- **Lollato, R.P.**, and A.R. Asebedo. 2018. A comprehensive analysis of nitrogen rate and timing effects on wheat yield and protein. Great Plains Soil Fertility Conference – 2018. Oral presentation.
- De Oliveira Silva, A., and **R.P. Lollato**. 2018. Does intensive management shift macro- and micro-nutrient uptake and partitioning in winter wheat? In: Great Plains Soil Fertility Conference – 2018. Poster.
- **Lollato, R.P.**, A.K. Fritz, E. DeWolf, D.A. Ruiz-Diaz, D.E. Peterson, and M. Knapp. 2017. Impacts of Agronomic Practices on High-Yielding Wheat Fields in Kansas. In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL. Poster.
- **Lollato, R.P.**, A.K. Fritz, E. DeWolf, D.A. Ruiz-Diaz, D.E. Peterson, and M. Knapp. 2017. Agronomic Learnings from Progressive Wheat Growers in Kansas Who Have Decreased the Yield Gap. In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL. Oral presentation.
- Sciarresi, C., and **R.P. Lollato**. 2017. Identifying Morpho-Physiological Traits to Increase Wheat Yield in Semi-Arid and Sub-Humid Environments. In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.
- Silva, A. de O., and **R.P. Lollato**. 2017. Does Intensive Wheat Management Shifts Macro- and Micro-Nutrient Uptake and Partitioning in Winter Wheat? In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.

- Jaenisch, B., and **R.P. Lollato**. 2017. Which Management Strategies Are Required to Economically Reduce Winter Wheat Yield Gaps? In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.
- Maeoka, R.E., and **R.P. Lollato**. 2017. Are Modern Wheat Varieties More Responsive to in-Furrow Phosphorus Fertilizer Than Historical Ones? In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.
- Bavia, G.P., and **R.P. Lollato**. 2017. Climate-Risk Assessment for Crop Production: A Case-Study for Winter Wheat in the U.S. Southern Great Plains. In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.
- Lynn, B., P.J. Tomlinson, and **R.P. Lollato**. 2017. Characterizing Sustainability of Kansas Dryland Wheat Production Using Fieldprint Calculator. In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.
- Azevedo, A.J., S. Varela, **R.P. Lollato**, R. Schwalbert, and I.A. Ciampitti. 2017. Genotype By Plant Density Interaction in Wheat: Summary. In: ASA CSSA SSSA International Annual Meetings, October 2017. Tampa, FL.
- Jaenisch, B., and **R.P. Lollato**. 2016. Will an Intensive Management Strategy be the Answer to Close Winter Wheat Yield Gaps in Kansas? In: ASA CSSA SSSA International Annual Meetings. Phoenix, AZ. *Abstract and poster presentation.*
- **Lollato, R.P.**, J.T. Edwards, and D.B. Arnall. 2016. Wheat variety response to a soil pH and Al concentration gradient. In: ASA CSSA SSSA International Annual Meetings. Phoenix, AZ. *Abstract and poster presentation.*
- Maeoka, R.E., and **R.P. Lollato**. 2016. Relationship between field-measured agronomic variables on winter wheat: LAI, CC, biomass and NDVI. In: ASA CSSA SSSA International Annual Meetings. Phoenix, AZ. *Abstract and poster presentation.*
- Silva, A. de O., **R.P. Lollato**, A. Fritz, E. DeWolf, J.T. Edwards, and D. Marburger. 2016. Wheat variety response to intensive vs. standard management strategies to narrow yield gap in the southern Great Plains. In: ASA CSSA SSSA International Annual Meetings. Phoenix, AZ. *Abstract and poster presentation.*
- Azevedo, A.J., S. Varela, **R.P. Lollato**, and I.A. Ciampitti. 2016. Genotype by seeding rate interaction in wheat. In: ASA CSSA SSSA International Annual Meetings. Phoenix, AZ. *Abstract and poster presentation.*
- Foster, A.J., M. Vandever, **R.P. Lollato**, and E. DeWolf. 2016. Using remote sensing to determine the response of resistant and susceptible wheat varieties to fungicide application. In: ASA CSSA SSSA International Annual Meetings. Phoenix, AZ. *Abstract and poster presentation.*
- **Lollato, R.P.** and J.T. Edwards. 2015. Meteorological limits to winter wheat productivity in the southern Great Plains. In: ASA CSSA SSSA International Annual Meetings, Minneapolis, MN. *Abstract and oral presentation.*

- **Lollato, R.P.**, A. Patrignani, T.E. Ochsner, and J.T. Edwards. 2015. Empirical and mechanistic prediction of plant available water at wheat sowing in the southern Great Plains. In: ASA CSSA SSSA International Annual Meetings. Minneapolis, MN. *Abstract and poster presentation*.
- **Lollato, R.P.** and J.T. Edwards. 2014. Maximum achievable wheat yield: what is the limit in the southern Great Plains? In: ASA CSSA SSSA International Annual Meetings, Long Beach, CA. *Abstract and poster presentation*.
- Edwards, J.T., G. Cruppe., **R.P. Lollato**. 2014. Plant growth regulator and early season foliar fungicide effects on hard red winter wheat. In: ASA CSSA SSSA International Annual Meetings, Long Beach, CA. *Abstract and poster presentation*.
- **Lollato, R.P.**, A. Patrignani, T.E. Ochsner, and J.T. Edwards. 2013. Predicting plant available water at wheat planting in the southern Great Plains. In: ASA CSSA SSSA International Annual Meetings, Tampa, FL. *Abstract and poster presentation*.
- **Lollato, R.P.**, J.T. Edwards, and H. Zhang. 2012. Agronomic and economic response of hard red winter wheat to multiple liming and fertilization strategies. In: ASA CSSA SSSA International Annual Meetings, Cincinnati, OH. *Abstract and poster presentation*.
- Patrignani, A., **R.P. Lollato**, T.E. Ochsner, C.B. Godsey, and J.T. Edwards. 2012. Quantifying the yield gap for winter wheat in West-Central Oklahoma. In: ASA CSSA SSSA International Annual Meetings, Cincinnati, OH. *Abstract and poster presentation*.
- Torres, G.M., **R.P. Lollato**, C. Elder, E. Booher, and T.E. Ochsner. 2012. Comparison of drought risk assessments based on measured versus estimated soil water deficits in Oklahoma. In: Student Water Research Conference, Stillwater, OK. *Poster presentation*.
- **Lollato, R.P.**, J.T. Edwards, and H. Zhang. 2011. Agronomic responses of hard red winter wheat to different liming and phosphorus fertilizer strategies in acid soils. In: ASA CSSA SSSA International Annual Meetings, San Antonio, TX. 2011. *Abstract and poster presentation*.
- Torres, G.M., **R.P. Lollato**, C. Elder, E. Booher, and T.E. Ochsner. 2011. Comparison of drought risk assessments based on measured versus estimated soil water deficits in Oklahoma. In: ASA CSSA SSSA International Annual Meetings, San Antonio, TX. 2011. *Abstract and poster presentation*.
- **Lollato, R.P.**, T.B. Borian, and V.M. Cirino. 2009. Study of yield adaptability and stability in varieties of bean pertaining to the colored commercial group (*In Portuguese*). In: 5th Brazilian Meeting in Plant Breeding, INCAPER, Guarapari, ES, Brazil. *Abstract and poster presentation*.
- Borian, T.B., **R.P. Lollato**, and V.M. Cirino. 2009. Phenotypic adaptability and stability of strains of bean pertaining to the white commercial group (*In Portuguese*). In: 5th Brazilian Meeting in Plant Breeding, INCAPER, Guarapari, ES, Brazil. *Abstract and poster presentation*.

- Borian, T.B., **R.P. Lollato**, J.M. Silva, and V.M. Cirino. 2009. Evaluation and selection of peanut cultivars for use as prime-matter for biodiesel production (*In Portuguese*). In: 4th International Meeting in Bioenergy, FUPEF, Curitiba, PR, Brazil. *Abstract and poster presentation*.
- **Lollato, R.P.**, T.B. Borian, and V.M. Cirino. 2008. Study of phenotypic adaptability and stability of promising inbred lines of white beans (*In Portuguese*). In: IX CONAFE – National Meeting of Research in Beans, Campinas, SP, Brazil. *Abstract and poster presentation*.
- **Lollato, R.P.**, T.B. Borian, L.G. Bordini, C. Zucarelli. 2008. Correlations of production components with yield in the early-maturing maize hybrid “Pioneer 30K64” (*In Portuguese*). In: XXVII Corn and Sorghum National Meeting, Londrina, PR, Brazil. *Abstract and poster presentation*.
- Borian, T.B., V.M. Cirino, **R.P. Lollato**, and N.S. Fonseca-Junior. 2008. Evaluation of different doses of phosphorus and potassium on yield of peanut in Paraná (*In Portuguese*). In: FertBio, Londrina, PR, Brazil. *Abstract and poster presentation*.
- Borian, T.B., V.M. Cirino, **R.P. Lollato**, and N.S. Fonseca-Junior. 2008. Peanut yield in no-tillage and conventional tillage in the State of Paraná (*In Portuguese*). In: FertBio, Londrina, PR, Brazil. *Abstract and poster presentation*.
- **Lollato, R.P.** and V.M. Cirino. 2008. Study of genotype by environment interaction on grain yield of promising lines of beans pertaining to the white commercial group (*In Portuguese*). In: XVI Scientific Initiation Seminar - ProICI, Londrina, PR, Brazil. *Oral presentation*.
- **Lollato, R.P.** and V.M. Cirino. 2007. Study of adaptability and stability of grain yield of promising strains of beans pertaining to the white, red and colored commercial groups (*In Portuguese*). In: XV Scientific Initiation Seminar - ProICI, Londrina, PR, Brazil. *Oral presentation*.
- **Lollato, R.P.** and V.M. Cirino. 2007. Genetic variability for grain yield in promising strains of beans pertaining to the red and colored commercial groups in the State of Parana (*In Portuguese*). In: I Agronomic Sciences Center Academic Show, Londrina, PR, Brazil. 2007. *Abstract and poster presentation*.
- Mingotte, F.L.C., H.S. Nimi, L.G. Bordini, **R.P. Lollato**, T.B. Borian, and V.C. Pipolo. 2007. Assessment of the quality of different commercial brands of popcorn (*In Portuguese*). In: I Agronomic Sciences Center Academic Show, Londrina, PR, Brazil. *Poster presentation*.
- **Lollato, R.P.**, V.M. Cirino, N.S. Fonseca-Junior, and M.A. Lollato. 2006. Genetic variability for grain yield in common bean lines of the white commercial group (*In Portuguese*). In: VIII Southern Brazilian Edible Beans Meeting, Londrina, PR, Brazil. *Abstract and poster presentation*.
- Cirino, V.M., N.S. Fonseca-Junior, **R.P. Lollato**, D.S. Andrade, and M. Parra. 2006. Evaluation of peanut cultivars in no-tillage and conventional tillage systems (*In Portuguese*). In: II

Symposium of oleaginous plants agribusiness – Prime-matters for Biodiesel, Piracicaba, SP, Brazil. 2006. *Abstract*.

- Gazziero, D., R. Ribeiro, **R.P. Lollato**, E. Voll, and M.A. Brighenti. 2006. Using diclosulam in a weed control program in soybean resistant to glyphosate (*In Portuguese*). In: IV Soybean Brazilian Meeting, Londrina, PR, Brazil. *Abstract and poster presentation*.

## SELECTED INVITED PRESENTATIONS (Total: 326 presentations since August 2015)

- *Farming for Wheat Quality: a Case Study for Hard Red Winter Wheat*. In: US Wheat Associates Latin American Buyers Conference. Rio de Janeiro, Brazil. July 2018. Approx. attendance: 90.
- *Nitrogen management for high-yield and high-protein winter wheat*. In: Washington Association of Wheat Growers Agricultural Marketing & Management Organization. Pasco, Washington. February 2018. Approx. attendance: 30.
- *Intensive Wheat Management: the role of seeding rate, foliar fungicides, and sulfur fertilization*. In: Washington Association of Wheat Growers Agricultural Marketing & Management Organization. Pasco, Washington. February 2018. Approx. attendance: 30.
- *My role in wheat quality as an Extension Wheat Specialist*. In: Wheat Quality Council Annual Meeting. Kansas City, Missouri. February 2018. Approx. attendance: 120.
- *Wheat crop conditions and update on current research*. In: 2018 Kansas Crop Improvement Association Annual Meeting. Manhattan, Kansas. February 2018. Approx. attendance: 70.
- *Applied physiology of wheat yield and protein determination*. In: 2017 Crop Quest Annual Meeting. Kansas City, Missouri. November 2017. Approx. attendance: 120.
- *Intensive wheat management effects on wheat yield and protein*. In: 2017 High Plains Journal Wheat U. Wichita, Kansas. August 2017. Approx. attendance: 250.
- *Wheat variety selection and management*. In: 2016 High Plains Journal Wheat U. Wichita, Kansas. August 2016. Approx. attendance: 190.
- *The role of genotype, environment, and management in maximizing wheat productivity*. In: 2016 Kansas Crop Improvement Association Annual Meeting. Manhattan, Kansas. February 2016. Approx. attendance: 80.

## EVENT ORGANIZATION

- Symposium “Exploring G x E x M synergies in world-wide wheat production and the opportunities for international collaboration” in the ASA Wheat Initiative Agronomists Community, during the 2019 ASA-CSSA-SSSA international meeting in Baltimore, MD. Co-organization with Dr. Brian Beres (Agri-Food Canada). Approximate attendance: TBD. Speakers: Drs. Claudio O. Stockle, Ivan O. Monasterio, Malcolm Hawkesford, Gustavo A. Slafer, and Jerry L. Hatfield.

- Conference “2018 Nitrogen Use Efficiency Conference”, in Manhattan, KS. Co-organization with Drs. Ignacio Ciampitti, Dorivar Ruiz-Diaz, and Andres Patrignani. Approximate attendance: 80.
- “2017 Kansas Agricultural Retailers Association Crop Production Update (KARA CPU)”, 1/4 and 1/5/2017, Junction City, KS. Attendance: 101. Organized the program and schedule of presentations, coordinating with different speakers on their availability and topics.
- “2017 In-Depth Diagnostic Wheat School”, 5/10 and 5/11/2017, Hutchinson, KS. Co-organized with Dr. Gary Cramer. Attendance: 60. This hands-on school required organization efforts months prior to the event by planting and conducting demonstration plots since October for the actual meeting in May.
- “2016 In-depth Extension Agent Agronomy Update”. Co-organization with Dr. Ignacio Ciampitti. Program guided to provide in-depth look in plant breeding and plant production topics to Extension Agents. Approximate attendance: 60. 13 January 2016, Manhattan, KS. Speakers: Drs. Allan Fritz, William Schapaugh, Ignacio Ciampitti, and Romulo Lollato.
- Symposium “Crop Perception to Environmental Stress” in the C03 Division: Crop Ecology, Management, and Quality, during the 2016 ASA-CSSA-SSSA international meeting in Phoenix, AZ. Co-organization with Drs. Jason Haegele (WinField Technologies) and Patricio Grassini (Univ. Nebraska). Approximate attendance: 100. Speakers: Drs. Vara Prasad, Victor Sadras, Robert Ford Denison, Carlos D. Messina, and Kenneth G. Cassman.

#### **OTHER EXTENSION PUBLICATIONS AND CONTRIBUTIONS**

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- Contributed to 174 electronic articles in the Agronomy eUpdate, providing timely management advice for wheat and forages and/or assessments of the effects of weather events on wheat and alfalfa crops.
- Provided interviews for radio (92), TV (50), and magazines/journals (31), covering state, regional, and national levels.
- Created Twitter handle: “@KSUWheat”, August 2015. 2,416 followers (August 2018).
- Reactivated Facebook page: “@KSU Wheat”, March 2016. 1,655 followers (August 2018).

#### **WORKSHOPS AND TRAININGS**

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- Full semester course: “GRAD 5890 – Special topics in Grantsmanship”. Grant writing course that provided base knowledge about the main expectations of funding agencies, enhanced skills associated with effective grant proposal preparation, writing, and submission.
- Participated: “Field-based high-throughput phenotyping (FB-HTP) workshop”, 32-h, promoted by the University of Arizona, Kansas State University, and the United States Department of Agriculture with support of the National Science Foundation. March 16-19, Maricopa, AZ.

#### **TEACHING**

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- Guest lecturer for “18<sup>th</sup> Kansas Farmer Bureau Masters Class”, presenting about “Grain and oilseeds production dynamics in Brazil”, 6/14/2017.
- Guest lecturer for “SP16 Study Abroad” Class within the department of Grain Science, presenting about “Grain and oilseeds production dynamics in Brazil”, 2/23/2017.
- International Teaching Assistant (ITA) examination score: 275/300.
- Taught one lab section during two full semesters for the undergraduate level course “SOIL 2123 - Fundamentals of Soil Science”. Developed and delivered pre-lab discussion and examinations, and accommodated students during office hours. Department of Plant and Soil Sciences, Oklahoma State University, Stillwater. Fall semester of 2014 and Spring semester of 2015.
- Guest lecturer for the undergraduate/graduate level course “PLNT 4123 - Plant Environment Interactions”. Department of Plant and Soil Sciences, Oklahoma State University, Stillwater. Spring semester of 2014.
- Full semester course on agricultural education: “AGED 6120 – Teaching agriculture in higher education”. Course focused on the concepts, methods, and learning theories relevant for both practical and theory classes in agricultural higher education.

## Professional references

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- **Erick DeWolf, Ph.D.** **dewolf1@ksu.edu**
  - Extension wheat pathologist at Kansas State University
  - Co-worker, Department of Plant Pathology
- **Dorivar Ruiz Diaz, Ph.D.** **ruizdiaz@ksu.edu**
  - Extension soil fertility specialist at Kansas State University
  - Co-worker, Department of Agronomy
- **Ignacio A. Ciampitti, Ph.D.** **ciampitti@ksu.edu**
  - Extension cropping systems specialist at Kansas State University
  - Co-worker, Department of Agronomy
- **Jeff Edwards, Ph.D.** **jeff.edwards@okstate.edu**
  - Department head, Department of Plant and Soil Sciences, Oklahoma State University
  - Master and Ph.D. adviser
- **Daryl B. Arnall, Ph.D.** **b.arnall@okstate.edu**
  - Precision Nutrient Management Specialist with Oklahoma State University
  - Ph.D. committee member