

TERRY WAYNE GRIFFIN

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EDUCATION

Ph.D. Agricultural Economics, 2006 *Purdue University* - West Lafayette, IN

M.S. Agricultural Economics, 1999 *University of Arkansas* - Fayetteville, AR

B.S. Agronomy, 1997 *University of Arkansas* - Fayetteville, AR

EXPERIENCE

Kansas State University – Manhattan, KS
Assistant Professor (February 2015-present)

Griffin Consulting – DBA Bryant, AR and Manhattan, KS
Owner (2005-present)
Spatial analysis, ‘big data’ analytics, precision agriculture, public speaking

Cresco Ag LLC - Memphis, TN
Vice President – Applied Economics (January 2012-September 2013)

University of Arkansas Division of Agriculture Cooperative Extension Service – Little Rock, AR
Department of Agricultural Economics and Agribusiness – Fayetteville, AR
Associate Professor - Economics (July 2011-January 2012)
Assistant Professor - Economics (December 2006-June 2011)

Western Illinois University, Agriculture Department – Macomb, IL
Adjunct Instructor (Fall 2000 - Spring 2003)

University of Illinois Extension – Macomb, IL
Extension Educator - Farm Business Management and Marketing (December 1999 – July 2003)

Griffin Farms - Paragould, AR
Part owner/operator (1989 – present)

GRANTS and CONTRACTS

Contracts

1. \$20,000 Cotton Inc. 2016. Analysis System and Tools for Community Data

Grants or Contracts as Co-principal Investigator

1. \$239,229 Testing and Evaluation Services Agreement. Mahindra & Mahindra. 2016. Ajay Sharda, D. Flippo, E. Brokesh
2. \$50,000 Sustainable Kansas Wheat – Pilot project: A Field-to-Market Field Print calculator project. 2016. Romulo Lollato, D. Presley, P. Tomlinson, D. Ruiz Diaz, A. Patrignani, E. Brokesh.
3. \$29,928 The Quest of 100-bushel soybean: On-farm approach, Kansas Soybean Commission with Ignacio Ciampitti

AWARDS and HONORS

Gold Quill Award for Outstanding Article of the 2016 Journal of the American Society of Farm Managers and Rural Appraisers.

RESEARCH

Refereed Journal Articles

1. Carls, Emily, and **Griffin, T.W.** Development of Interactive Website Charts for Utilization using Google Docs. *Journal of Extension*. 54(5) 5TOT5 <https://joe.org/joe/2016october/tt3.ph>
2. **Griffin, T.W.** and S.L. Zapata. 2016. Optimal Cotton Insecticide Application Termination Timing: A Meta-Analysis. *Journal of Economic Entomology*. 109 (4): 1698-1705 doi: 10.1093/jee/tow119
3. Mark, T.B., **Griffin, T.W.** and Whitacre, B. 2016. The Role of Wireless Broadband Connectivity on ‘Big Data’ and the Agricultural Industry in the United States and Australia. Special Edition: The Value of Big Data in Agriculture: Inputs, Farming and Processing. *International Food and Agribusiness Management Review*. Vol 19 (Issue A) pp 43-56 <http://bit.ly/IFAMRwireless>
4. **Griffin, T.W.**, T.B. Mark, S. Ferrell, T. Janzen, G. Ibendahl, J.D. Bennett, J.L. Maurer, and A. Shanoyan. 2016. Big Data Considerations for Rural Property Professionals. *Journal of American Society of Farm Managers and Rural Appraisers*. pp 167-180 <http://bit.ly/1r3XNok>
5. Spurlock, T.N., Rothrock, C.S., Monfort, W.S, **Griffin, T.W.** 2016. The distribution and colonization of soybean by *Rhizoctonia solani* AG11 in fields rotated with rice. *Soil Biology & Biochemistry*. 94(March 2016) pp 29–36 [doi:10.1016/j.soilbio.2015.11.002](https://doi.org/10.1016/j.soilbio.2015.11.002)

Papers Submitted for Peer Review

1. Mark, T.B., **Griffin, T.W.**, and Kim, G. Will Broadband Availability Constrain Big Data and Telematics Adoption and Usage? European Conference on Precision Agriculture. Abstract accepted, full paper under peer review.
2. Miller, N.J., **Griffin, T.W.**, Bergtold, J., Ciampitti, I.A., and Sharda, A. Farmers’ Adoption Path of Precision Agriculture Technology. European Conference on Precision Agriculture. Abstract accepted, full paper under peer review.
3. Bergtold, J., Yeager, E., and **Griffin, T.W.** Spatial Dynamics In The Classroom: Does Where You Sit Matter?
4. Mangus, D.L., Sharda, S., Engelhardt, A., Flippo, D., Strasser, R., Luck, J.D., and **Griffin, T.W.** Analyzing Nozzle Spray Fan Pattern On An Agricultural Sprayer Using Pulse Width Modulated Technology To Generate An On-Ground Coverage Map
5. **Griffin, T.W.** and E. Barnes. Available Time to Plant and Harvest Cotton across the Cotton Belt.
6. **Griffin, T.W.** and Lowenberg-DeBoer, J. Economics of Automated Guidance for Mechanical Weed Control.

7. **Griffin, T.W.**, Ibendahl, G., and Stabel, J. Do Profitable Farms Remain Profitable? Markov Switching Models Applied to Transition Probabilities.
8. Sebastian Varela, Yared Assefa, Vara Prasad, Nahuel R. Peralta, **Terry Griffin**, Ajay Sharda, Allison Ferguson, and Ignacio A. Ciampitti. Spatio-Temporal Evaluation of Plant Height in Corn via Imagery collected by Unmanned Aerial Systems (UAS).

Working Papers

1. Sharda, A., **Griffin, T.W.**, Miller, N.J., Bergtold, J., Ciampitti, I.A., and Torrez, C. Adoption Patterns of Precision Agriculture Technology Bundles on Kansas Farms.
2. **Griffin, T.W.**, N.J. Miller, J. Bergtold, A. Shanoyan, A. Sharda, and I. Ciampitti. Farm's Sequence of Adoption of Information-Intensive Precision Agricultural Technology.
3. Mangus, D.L., Sharda, A., Strasser, R., Flippo, D., and **Griffin, T.W.** Development of high speed camera hardware and software package to evaluate real-time electric seed meter accuracy of a variable rate planter
4. Zapata, S.D., and **Griffin, T.W.** Meta-Analysis of Multiple Treatments Experiments. Abstract submitted to 2017 Southern Agricultural Economics Association.
5. Sylvester Badua, Ajay Sharda, Daniel Flippo, **Terry W. Griffin**, Lucas Haag, Ignacio Ciampitti. Real-time gauge wheel load variability on planter with downforce control during field operation
6. **Griffin, T.W.** and Ferrell, S.L. Proving Damages from Loss of Yield Monitor Data: Forensic Economics, Farm Data Valuation, and Remedies.
7. **Griffin, T.W.**, Herbel, K., Ibendahl, G., Sharda, A., Ciampitti, I., McCornack, B. 2016. Adoption and Utilization of Precision Agricultural Technology Impacts on Whole-farm Performance.
8. Maurer, J.L. and **Griffin, T.W.** Applying Data Envelopment Analysis Methodology to Site-specific Precision Agriculture Data.
9. Bennett, J., Sharda, A., and **Griffin, T.W.** Value of Internet Connectivity Uptime for Multiple Vehicles using Automated Section Control.
10. **Griffin, T.W.** and Shockley, J. Farmers' willingness-to-pay for farmland based on machinery efficiency and precision technology adoption. Status: in preparation
11. Mark, T.B., and **Griffin, T.W.** Defining the Barriers to Telematics for Precision Agriculture: Connectivity Supply and Demand.
12. **Griffin, T.W.** Expected Fieldwork Days for Kansas Wheat Planting and Harvesting Dates.
13. Mark, T.B., D'Antoni, J., **Griffin, T.W.** Revisiting Days Suitable for Fieldwork Relative to Global Climate Cycles. Status: In preparation.
14. Mark, T.B., D'Antoni, J.M., **Griffin, T.W.** How do Global Weather Patterns Influence Days Suitable for Field Work? Status: In preparation.
15. **Griffin, T.W.** and Barnes, E. Community data analysis of NDVI-Based On-the-Go Nitrogen Application for Cotton. Prepared: for Cotton Inc. Factsheet. Status: In internal review.

16. Griffin, T.W. and **T. Mark**. Spatial Econometric Approach to Yield Monitor Data Filtering and Evaluation for Automation. Status: In preparation.

Conference Proceedings – Oral Papers

1. **Griffin, T.W.** 2016. Mine The Data Not The Soil: Big Data Considerations For Soil Fertility. North Central Extension-Industry Soil Fertility Conference November 2-3, 2016, Des Moines, IA
2. **Griffin, T.W.** and Ferrell, S.L. Proving Damages from Loss of Yield Monitor Data: Forensic Economics, Farm Data Valuation, and Remedies. American Agricultural Law Association Annual Meeting. Oklahoma City, OK. October 2016. <https://www.aglaw-assn.org/>
3. Zapata, S.D., and **Griffin, T.W.** Meta-Analysis of Multiple Treatments Experiments. Meta-analysis for Economic Research Network 2016 Colloquium Conway, Arkansas September 16-17, 2016. <https://www.hendrix.edu/maer-network/2016/>
4. Ajay Sharda, Ryan Strasser, Jena Kulp, Daniel Flippo, Devin Mangus, **Griffin, T.W.** Real-time gauge wheel load variability on planter with downforce control during field operation. International Conference on Precision Agriculture 2016 Abstract #2145. In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.
5. Bennett, J., Sharda, A., Wilson, C., and **Griffin, T.W.** Value of Map Sharing between Multiple Vehicles using Automated Section Control in the Same Field. International Conference on Precision Agriculture 2016. In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.
6. Ellixson, Ashley, **Griffin, T.W.**, Goeringer, L.P. 2016. Ownership and Protections of Farm Data. International Conference on Precision Agriculture 2016 Abstract #2141. In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.
7. Varela, S., G Balboa, V. Prasad, A. Ferguson, I. Ciampitti, **T. Griffin**. 2016. Spatial-temporal Evaluation of Plant Phenotypic Traits Via Imagery Collected by Unmanned Aerial Systems (UAS). In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.
8. Maurer, J.L., Sharda, A., and **Griffin, T.W.** Site-specific Scale Efficiency Determined by Data Envelopment Analysis of Precision Agriculture Field Data. Paper for International Conference on Precision Agriculture 2016 Abstract #1776. In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.
9. Varela, Sebastian, G. Balboa, V. Prasad, A. Ferguson, **T.W. Griffin**, and I.A. Ciampitti. Integration of photogrammetry and remote sensing for biophysical parameters estimation in corn using sUAVS. Paper for International Conference on Precision Agriculture 2016 Abstract #2057. In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.
10. Bennett, J., Sharda, A., and **Griffin, T.W.** Coverage Map Sharing within the Same Field between Multiple Vehicles using Automated Section Control. American Society of Agricultural and Biological Engineers Annual Meeting 2016.

11. Strasser, Ryan, Sharda, A., Flippo, D., Mangus, D., and **Griffin, T.W.** Real-time gauge wheel load uniformity when using active planter downforce control system. American Society of Agricultural and Biological Engineers Annual Meeting 2016.
12. Sharda, A., Strasser, R., Kulp, J., Flippo, D., Haag, L., and **Griffin, T.W.** Real-time gauge wheel load variability on planter with downforce control during field operation. American Society of Agricultural and Biological Engineers Annual Meeting 2016.
13. Sharda, A., Badua, S., Flippo, D., **Griffin, T.W.**, and Ciampitti, I. 2016. Real-time gauge wheel load variability on planter with downforce control during field operation. 13th International Conference on Precision Agriculture, St. Louis, Missouri, U.S., July 31 – August 2, 2016.
14. Bergtold, J.S., Yeager, E.A., and **Griffin, T.W.** Academic, Demographic and Spatial Factors in the Classroom Affecting Student Performance in Principles of Agricultural Economics Courses. Abstract accepted for presentation at 2016 Agricultural and Applied Economics Association 2016 Annual Meeting, July 31-August 2, Boston, Massachusetts 2016 Annual Meeting, July 31-August 2, Boston, Massachusetts.
15. Shanoyan, A., and **Griffin, T.W.** Farm Data as a Resource: Examining Big Data in Agriculture from the Resource-Based Theory Perspective. (abstract accepted for presentation at the 2016 IFAMA Annual World Symposium, Aarhus, Denmark, June 19-23).
16. Maurer, J.L. and **Griffin, T.W.** Applying Data Envelopment Analysis Methodology to Site-specific Precision Agriculture Data. Selected paper Southern Agricultural Economics Association Annual Meeting San Antonio, Texas, February 6-9, 2016 at the Hyatt Regency, San Antonio, TX.
17. Bennett, J., Sharda, A., and **Griffin, T.W.** Value of Internet Connectivity Uptime for Multiple Vehicles using Automated Section Control. Selected paper Southern Agricultural Economics Association Annual Meeting San Antonio, Texas, February 6-9, 2016 at the Hyatt Regency, San Antonio, TX.
18. **Griffin, T.W.** and Shockley, J. Farmers' willingness-to-pay for farmland based on machinery efficiency and precision technology adoption. Selected paper Southern Agricultural Economics Association Annual Meeting San Antonio, Texas, February 6-9, 2016 at the Hyatt Regency, San Antonio, TX.
19. **Griffin, T.W.**, Ibendahl, G., and Stabel, J. Do Profitable Farms Remain Profitable? Markov Switching Models Applied to Transition Probabilities. Selected paper Southern Agricultural Economics Association Annual Meeting San Antonio, Texas, February 6-9, 2016 at the Hyatt Regency, San Antonio, TX.
20. Mark, T.B., and **Griffin, T.W.** Defining the Barriers to Telematics for Precision Agriculture: Connectivity Supply and Demand. Selected paper Southern Agricultural Economics Association Annual Meeting San Antonio, Texas, February 6-9, 2016 at the Hyatt Regency, San Antonio, TX.

Conference Proceedings - Poster Presentations

1. Meeks, C., Snider, J.L., Porter, W.M., **Griffin, T.W.**, Barnes, T.L. 2017. Evaluating Daily Yield Losses Due to Delayed Harvest after Defoliation. Beltwide Cotton Conference January 4-5, 2017. Dallas, Texas
2. Hutchison, M., Traywick, L.S., and **Griffin, T.W.** 2016. Occupational Therapy Students' Knowledge of Aging Relative to Population Choice.

3. Varela, S., G. Balboa, V. Prasad, A. Ferguson, **T. Griffin**, I. Ciampitti. 2016. Spatial-temporal Evaluation of Plant Phenotypic Traits Via Imagery Collected by Unmanned Aerial Systems (UAS). In proceedings of the 13th International Conference on Precision Agriculture, July 31-August 3, 2016. St. Louis, Missouri.

Professional Meetings Presentations

1. Ibendahl, G. and **Griffin, T.W.** 2016. An examination of how machinery investments affect farm profitability and risk. NACC & NC-1177 Joint Meeting. Federal Reserve Bank of Kansas City – Denver Branch, Denver, CO. October 3-4, 2016
2. **Griffin, T.W.** Kevin Herbel, Gregg Ibendahl, Ajay Sharda, Ignacio Ciampitti, Brian McCornack. 2016. Adoption and Utilization of Precision Agricultural Technology Impacts on Whole-farm Performance. National Farm Management Conference, Sioux Falls, SD June 2016

EXTENSION

Extension Fact Sheets and Publications

1. Torrez, C., Miller, N.J., Ramsey, S., and **Griffin, T.W.** 2016. Factors Influencing the Adoption of Precision Agricultural Technologies by Kansas Farmers. Kansas State University Department of Agricultural Economics Extension Publication. KSU-AgEcon-CT-NM-SR-TG-2016.1. December 2016. <https://www.agmanager.info/kfma/research-articles/factors-influencing-adoption-precision-agricultural-technologies-kansas>
2. Stabel, J., **Griffin, T.W.**, and Ibendahl, G. 2016. Likelihood of Kansas Farm Financial Persistence. Kansas State University Department of Agricultural Economics Extension Publication. December 2016. <https://www.agmanager.info/likelihood-kansas-farm-financial-persistence>
3. Miller, N.J., **Griffin, T.W.**, and Bergtold, J. 2016. Kansas Farms' Sequence of Information-intensive Precision Agriculture Technology Adoption in Bundles. Kansas State University Department of Agricultural Economics Extension Publication. KSU-AgEcon-NM-TG-JB_ 2016.1. September 2016 <http://www.agmanager.info/machinery/precision-agriculture/kansas-farms-sequence-information-intensive-precision-agriculture>
4. Ellixson, Ashley and **Griffin, T.W.** 2016. Farm Data: Ownership and Protections (September 16, 2016). Available at SSRN: <http://dx.doi.org/10.2139/ssrn.2839811>
5. **Griffin, T.W.**, Miller, N.J., Ciampitti, I., Sharda, A., Torrez, C. 2016. Precision Agriculture Technology Adoption and Obsolescence. Kansas State University Department of Agricultural Economics Extension Publication. KFMA Research Paper. KSU-AgEcon-TG-2016.1 September 14, 2016. <https://www.agmanager.info/kfma/research-articles/precision-agriculture-technology-adoption-and-obsolence>
6. Ajay Sharda, Lucas Haag, **Terry Griffin**, John P. Fulton, Sylvester Badua, and Ignacio Ciampitti. 2016. Planter downforce system for seed depth uniformity. K-State Research and Extension. MF3331. <http://www.bookstore.ksre.ksu.edu/pubs/MF3331.pdf>
7. Ajay Sharda, **Terry Griffin**, Lucas Haag, Devin Mangus, John Fulton, and John Slocombe. 2016. Pulse Width Modulation technology for Liquid Application. K-State Research and Extension. MF3314. <http://www.bookstore.ksre.ksu.edu/pubs/MF3314.pdf>
8. Sharda, A., **Griffin, T.W.**, Haag, L., Slocombe, J.W. 2016. Automatic Boom Height Control Technology for Agricultural Sprayers. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. K-State Research and Extension. MF3299 July 2016 <http://www.bookstore.ksre.ksu.edu/pubs/MF3299.pdf>
9. **Griffin, T.W.** 2016. Value of Farm Data: Proving Damages Based on Trade Secret Protections. Kansas State University Department of Agricultural Economics Extension Publication. KSU-AgEcon-TG-2016.2 June 27, 2016. <http://bit.ly/TWGagdatadamages>
10. **Griffin, T.W.** 2016. Adoption of Precision Agricultural Technology in Kansas. Kansas State University Department of Agricultural Economics Extension Publication. KFMA Research Paper. KSU-AgEcon-TG-2016.1 June 8, 2016 <http://bit.ly/KFMA-PA>

11. Ellixson, Ashley and **Griffin, T.W.** 2016. Ownership and Protections of Farm Data. Kansas State University Department of Agricultural Economics Extension Publication. KSU-AgEcon-AE-TG-2016.1 May 31, 2016 <http://www.agmanager.info/crops/prodecon/precision/FarmData.pdf>

Invited Out-of-state Presentations

1. **Griffin, T.W.** 2016. Mine The Data Not The Soil: Big Data Considerations For Soil Fertility. North Central Extension-Industry Soil Fertility Conference November 2-3, 2016, Des Moines, IA
2. **Griffin, T.W.** Big Data Implications for Precision Agriculture. CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois, Urbana, Illinois. June 3, 2016
3. **Griffin, T.W.** Big Data Implications for Corn Farmers. Illinois Corn Board & Illinois Marketing Board. Bloomington, Illinois. June 2, 2016
4. Ferrell, S.L. and **Griffin, T.W.** Big Data in Agriculture: Issues in Risk Management Education 2016 RME Conference Fort Worth, Texas – April 27th, 2016
5. **Griffin, T.W.** Economics of Big Data and Technology. No-till Oklahoma Conference Norman, Oklahoma March 1, 2016
6. **Griffin, T.W.** Big Data Implications for Precision Agriculture. United Soybean Board. Tampa, Florida February 18, 2016
7. **Griffin, T.W.** Making the Most of Precision Ag Technology: Big Data Implications for Farmers. 107th Northwest Farm Managers Association. Fargo, ND. February 17, 2016.
8. **Griffin, T.W.** Precision Ag Big Data: Managing Your Most Elusive Farm Asset. 5th Annual Precision Ag Summit. Jamestown, ND. January 19, 2016
9. **Griffin, T.W.** Big Data Implications for Crop Insurance Agents. 23rd Annual Crop Insurance Conference. Fargo, ND January 18, 2016.

Extension Presentations – In-state

1. **Griffin, T.W.** 2016. Kansas Farmers' Utilization of Variable Rate Fertility: Precision Ag and Big Data. KARA Kansas Ag Retailers Association Bonus CEU Session, Salina, KS, December 1, 2016
2. **Griffin, T.W.**, Stabel, J., Ibendahl, G. 2016. Factors Influencing Farms Transitioning Between Financial Vulnerability Categories. K-State Ag Lenders Conference. Garden City, Kansas and Manhattan, Kansas. October 4-5, 2016
3. **Griffin, T.W.**, Stabel, J., Ibendahl, G. 2016. Factors Influencing Farms Transitioning Between Financial Vulnerability Categories. K-State Ag Lenders Conference.
 - a. Garden City, KS, October 4, 2016
 - b. Manhattan, KS, October 5, 2016
4. **Griffin, T.W.** Decision Making: Kansas Wheat presented to King Arthur Wheat delegation. Manhattan, KS. September 19, 2016

5. **Griffin, T.W.** and Miller, N.J. Adoption and Utilization of Precision Agricultural Technology. Risk and Profit Conference, Department of Agricultural Economics, Kansas State University, Manhattan, KS. August 18-19, 2016.
6. **Griffin, T.W.** Yield Monitor Data Analysis. Yield Monitor School. Manhattan, KS August 16, 2016.
7. **Griffin, T.W.** Soybean Economics, Decision Making, & Farm Data. Summer Soybean Institute Manhattan KS June 1, 2016
8. **Griffin, T.W.** Big Data and Precision Agriculture. Agri-Business Council of Wichita. Wichita, KS. May 13, 2016
9. **Griffin, T.W.** 2016. KFMA Precision Agriculture. Overview of precision ag project results presented to KFMA economists. May 19, 2016. Manhattan, KS
10. **Griffin, T.W.** Big Data Implications in Agriculture, Hays, KS, March 4, 2016
11. **Griffin, T.W.** Big Data Implications for Farmers, Herrington, KS. Agriculture Technology Day February 11, 2016
12. **Griffin, T.W.** Big Data in Agriculture. Kansas Sorghum Schools. Ellsworth, KS. February 4, 2016.
13. **Griffin, T.W.** Leveraging Precision Ag & Big Data. AgRisk Solutions 2016 Risk & Financial Management Conference “*EMPOWERING PRODUCERS WITH SKILLS & KNOWLEDGE*” February 2-3, 2016
14. **Griffin, T.W.** Big Data for Farmers: Data Privacy. Ag Technology. Gray County, Cimarron, KS. February 1, 2016.
15. **Griffin, T.W.** Leveraging Precision Ag & Big Data. AgRisk Solutions and Landmark Bank. Iola, KS January 28, 2016
16. **Griffin, T.W.** Precision Ag & Big Data. Kansas Soybean Schools
 - a. Great Bend, KS January 25, 2016
 - b. Overbrook, KS January 26, 2016
 - c. Marysville, KS January 29, 2016
17. **Griffin, T.W.** Precision Ag & Big Data: Data Repositories. Kansas Farm Bureau Ag Technology Committee. Manhattan, KS January 20, 2016
18. **Griffin, T.W.** Making Use of Precision Ag. Coffee Shop Agronomy. Riley County. Leonardville, KS January 14, 2016
19. **Griffin, T.W.** Precision Agriculture and Big Data Issues for Crop Consultants. Crop Production Update. Kansas Ag Retailer’s Association. Junction City, KS January 13, 2016
20. **Griffin, T.W.** Suitable Planting & Harvesting Dates Tool for Corn. Corn Schools.
 - a. Independence, KS January 11, 2016
 - b. Salina, KS January 15, 2016
21. **Griffin, T.W.** Precision Ag and Big Data. Ag Profitability Conference, Colby, KS January 6, 2016

Extension Workshops

1. Precision Ag Data Analysis: Cleaning Yield Monitor Data. Co-sponsored by Kansas Agricultural Research and Technology Association (KARTA) and Kansas State Research and Extension (KSRE). Co-taught with Lucas Haag (KSRE) and Tyler Rider (KARTA).
 - a. Great Bend, KS November 9, 2015
 - b. Clay Center, KS February 12, 2016

Extension Newsletters

1. **Griffin, T.W.**, I.A. Ciampitti, and C. Torrez. 2016. Expected Number of Days to Harvest Summer Crops in Kansas. Agronomy eUpdate October 7, 2016
2. **Griffin, T.W.**, I.A. Ciampitti, and C. Torrez. 2016. Expected Number of Days to Plant Summer Crops in Kansas. Agronomy eUpdate April 15, 2016 issue 563
https://webapp.agron.ksu.edu/agr_social/eu_article.throck?article_id=901

Radio Interviews

1. **Griffin, T.W.** and Ferrell, S.L. December 15, 2016. Farm Data Ownership: Terry Griffin and Shannon Ferrell address this topic ahead of January's Kansas Agricultural Technologies Conference.
<https://www.ksre.k-state.edu/news/radio-network/agtoday-mp3/121516-griffin.MP3>
 2. Torrez, C., Miller, N.J., Ramsey, S., and **Griffin, T.W.** December 13, 2016. Precision Ag Technology: Terry Griffin and graduate researchers review their recently-completed study of farmers' decisions as to adopting precision agriculture technology. <https://www.ksre.k-state.edu/news/radio-network/agtoday-mp3/121316-griffin.MP3>
 3. **Griffin, T.W.** and Haag, L. November 23, 2016. Conference Preview: Terry Griffin and Lucas Haag promote January's 2017 Kansas Agricultural Technologies Conference, with a focus on management of precision technology data. <https://www.ksre.k-state.edu/news/radio-network/agtoday-mp3/112316-griffin.mp3>
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1. October 11, 2016: Precision Ag Adoption. Bergtold, Noah Miller and Griffin discuss precision ag adoption on KSRE Ag Today radio. <https://www.ksre.k-state.edu/news/radio-network/agtoday-mp3/1011-Griffin%20Bergtold%20Miller.MP3> 1.
 2. **Griffin, T.W.** July 27, 2016. Ajay Sharda and Terry Griffin look ahead to August events at K-State covering precision planter technology and yield monitors. <http://agmanager.info/news/precision-planter-and-yield-monitor-technology-workshops-ajay-sharda-and-terry-griffin>

3. **Griffin, T.W.** July 12, 2016. Precision agricultural engineer Ajay Sharda and cropping systems economist Terry Griffin of K-State talk about automated boom height controls on field sprayers. <http://agmanager.info/automated-boom-height-controls>
4. **Griffin, T.W.** May 11, 2016. Capturing Value From Precision Agricultural Data: Big Data in Ag Webcast <http://www.plantmanagementnetwork.org/edcenter/seminars/cotton/PrecisionAgData/>
5. January 15, 2016: Yield Monitor Data: Terry Griffin talks about "cleaning" and sorting crop production data, as will be demonstrated at upcoming K-State workshops. <https://www.ksre.k-state.edu/news/radio-network/agtoday-mp3/011516-griffin.MP3>

News Articles Written by Others

<http://southwestfarmpress.com/management/farming-future-requires-better-connectivity?page=1>

Big data pros, cons: Connectivity will affect farmland value By Mikkel Pates on Jan 22, 2016 at 9:15 p.m. <http://www.grandforksherald.com/news/agriculture/3931032-big-data-pros-cons-connectivity-will-affect-farmland-value>

Big Data For Agriculture Worth the Risk BY MARK PARKER, CNHI NEWS SERVICE / JANUARY 11, 2016 <http://www.govtech.com/data/Big-Data-For-Agriculture-Worth-the-Risk.html>

Fifth Precision Ag Summit set January 11, 2016 7:06 pm • Mikkel Pates Forum News Service http://bismarcktribune.com/news/state-and-regional/fifth-precision-ag-summit-set/article_40e27fca-07bc-541f-8912-489b1c62d5cb.html

Big data: Big potential, big problems By Mark Parker CNHI News Service Jan 10, 2016 http://www.enidnews.com/news/local_news/big-data-big-potential-big-problems/article_3ee13218-1922-532c-84e4-db104b68844d.html

New year, same old data privacy concerns By Candace Krebs Contributing Writer Posted Jan. 1, 2016 at 12:01 AM <http://www.agjournalonline.com/article/20160101/NEWS/151239993>

Analytics future of ag data By Candace Krebs Contributing Writer Posted Jan. 5, 2016 at 6:00 AM <http://www.agjournalonline.com/article/20160105/NEWS/151239991>

TEACHING

Classroom Instruction

Kansas State University, Manhattan, KS
Spatial Econometrics AGEC936

Spring 2016

Invited Classroom Lectures

1. Guest lectured AGEC501 KSU October 2016
 - a. Whole farm linear programming
2. Guest lectured in AGEC823 KSU for 2 class periods October 2016
 - a. discussed big data in agriculture including APIs
3. Guest lectured in AGEN (precision agriculture) KSU for 2 class periods fall 2016
 - a. Big Data Implications for Precision Agriculture
 - b. Yield monitor data quality
4. Guest lectured Highland Community College, Wamego, KS
 - a. Precision Agriculture, Big Data, GNSS, and Geocaching, September 9, 2016
 - b. Big Data Implications in Agriculture, September 23, 2016

GRADUATE STUDENT INSTRUCTION***Indicates Griffin as co-major professor****Degree-earned Graduate Students: Griffin as Major Advisor**

Sisung, Theresa. MAB. 2016 Agricultural Economics, Kansas State University.
Thesis Title: Soil testing and nutrient application practices of agricultural retailers in the Great Lakes Region

Bennett, Jeff D. MAB. 2016 Agricultural Economics, Kansas State University.
Thesis Title: Value of Map Sharing Between Multiple Vehicles in the Same Field While Using Automated Section Control

Degree-seeking Graduate Students: Griffin as Major Advisor

Wolters, Josh. MAB. 2016 Agricultural Economics, Kansas State University.

Rosburg, Britney. MAB. 2016 Agricultural Economics, Kansas State University.

Mensing, Michelle. MAB. 2016 Agricultural Economics, Kansas State University.

Kohls, Kevin. MAB. 2017 Agricultural Economics, Kansas State University.

Stabel, Jayce. MS. 2016 Agricultural Economics, Kansas State University

Torrez, Christian. MS. 2017 Agricultural Economics, Kansas State University

Ambrose, Chris. MAB. 2017 Agricultural Economics, Kansas State University

*Orlowski, Jan. PhD. University of Sydney, Sydney, Australia. Co-advisor with Dr. David Ubilava

Degree-seeking Graduate Students: Griffin as Committee Member

Xintong Li. PhD. Department of Statistics, Kansas State University. Advisor: Dr. Juan Du.

Varela, Sebastian. PhD. Department of Agronomy, Kansas State University. Advisor: Dr. Ignacio Ciampitti.

Badua, Sylvester. MS. Department of Bio and Agricultural Engineering, KSU. Advisor: Dr. Ajay Sharda

Rahman, Kazi Tamim. PhD. Department of Agricultural Economics, KSU. Advisor: Dr. David Lambert

Miller, Noah J. PhD. Department of Agricultural Economics, KSU. Advisor: Dr. Jesse Tack

PROFESSIONAL SERVICE and CREDENTIALS

Current Professional Membership Service

International Society of Precision Agriculture (ISPA)

Treasurer 2016-2020

American Society of Agricultural and Biological Engineers (ASABE)

MS-49 Crop Production Systems, Machinery, and Logistics 2015-present

MS-54 Precision Agriculture 2009-present

C-FARE Steering Committee on Big Agricultural Data 2015-present

Kansas Agricultural Research and Technology Association (KARTA)

Board member: 2015-present

North Central Region Farm Technology Network

Kansas FFA Agribusiness Committee

PrecisionAg Institute Awards Committee

National Association of County Agriculture Agents (NACAA)

Southern Agricultural Economics Association (SAEA)

Agricultural and Applied Economics Association (AAEA)

AAEA Topic Leader – Production 2015-2016

Economics, Statistics & Information Resources Committee

Western Agricultural Economics Association (WAEA)