

Curriculum Vitae

Naveen C. Adusumilli

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Appointment

Tenure-track Assistant Professor and Extension Economist, 70% Extension, 20% Research, and 10% Teaching.

Areas of Research

Water Policy, Production Economics, and Natural Resource Economics

Research Categories

One: I have an ongoing line of research on the topic of economic evaluation of best management practices to improve water quality, soil health, and irrigation efficiency.

Two: I have a broad interest in the use of social sciences to evaluate farmers' behavior to adoption of tools that address water quality, soil health, and water quantity management in agriculture.

Education

Ph.D.; Agricultural Economics, Texas A&M University, 2012

M.S.; Agricultural Business and Economics, West Texas A&M University, 2007

B.S.; Systems Agriculture, N.G. Ranga Agricultural University, India, 2004

Professional Appointments

Assistant Professor , Water Policy and Economics, LSU AgCenter	2014-present
STEM Communications Fellow , Sci-Port, Louisiana	2014-2015
Economist-Science Fellow , Natural Resources Defense Council	2012-2014
Research Assistant , Texas AgriLife Research	2009-2012
Research Assistant-Pathways Fellow , Texas A&M University	2007-2009
Research Assistant , West Texas A&M University	2005-2007

Professional Training Received

- Crop Production Management Model and Environmental Policy Integrated Climate (EPIC) Workshop (2006) – 3days - Texas Agricultural Experiment Station, Temple, Texas, USA
- CropMan – ½ day – SWCS Annual Meeting, Greensboro, North Carolina

Selected Research and Extension Grants Awarded

Improving Soil and Water Quality in Bayou Pierre Watershed. \$500,000. NRCS-RCPP. Institution lead. Year: 2018-2021.

Knowledge-transfer on water policy reforms, irrigation practices, and technology to promote profitable irrigation water management. Soybean and Grain Research and Promotion Board. \$16,000. PI. Year: 2018.

Norman E. Borlaug International Agricultural Science and Technology Fellowship grant. USDA-FAS. \$49,249. PI. Year: 2017-2019.

Water quality and soil health under fallow season cover crops in Mid-South row-crop production. NRCS-CIG, \$992,012. Co-PI. Year: 2016-2019.

Water quality and Soil Health improvements in Shift tail canal watershed. \$499,000. NRCS-RCPP. Institution lead. Year: 2016-2019.

Sustainable Row Crop Irrigation Management in Louisiana Comprehensive Training Program. Southern Sustainable Agriculture Research and Extension Professional Development Program (S-SARE PDP), \$69,537. Co-PI. Year: 2015-2017.

Impact of Water Policy Changes on the Economic Outlook of Louisiana’s Soybeans and Grain Crop Production, Louisiana Soybean and Grain Research and Promotion Board, \$11,044. PI. Years: 2016-2018.

Evaluation of plant response to soil moisture regimes in soybean and grains. Louisiana Soybean and Grain Research and Promotion Board, \$116,800. Co-PI. Years: 2015-2017.

Impact of Water Policy Changes on the Economic Outlook of LA’s Cotton Production. Cotton Incorporated State Support Committee, \$6,000. PI. Years: 2016-2018.

Viability of soil moisture sensors for making irrigation decisions in cotton. Cotton Incorporated State Support Committee, \$6,000. Co-PI. Years: 2015-2017.

Grants Pending Decision

Developing soil health practices for disease suppression in organic transitioning fields. NIFA-Organic Transitions. Co-PI. 2018.

Conservation Tillage to Improve Soil Health in Corn-Soybean Rotation System in the Mid-South. NRCS-CIG. Co-PI. 2018.

Developing conservation practices for improving soil health and climate adaptability of organic transitioning grazing lands and vegetable systems. NRCS-CIG. Co-PI. 2018.

Refereed Journal Articles

- Manale, A. A. Sharpley, C. DeLong, D. Speidel, C. Gantzer, J. Peterson, R. Martin, C. Lindahl, and **N. Adusumilli**. 2018. Principles and policies for soil and water conservation. *Journal of Soil and Water Conservation* 73 (4): 96-99.
- Adusumilli, N.**, and H. Wang. 2017. Analysis of Soil Management and Water Conservation Practices adoption among Crop and Pasture Farmers in Humid-South of the United States. *International Soil and Water Conservation Research* 6(2): 79-86.
- Adusumilli, N.C.**, S. Davis, and D. Fromme. 2016. "Economic evaluation of using surge valves in furrow irrigation of row crops in Louisiana: A net present value approach." *Agricultural Water Management* 174(2016): 61-65.
- Adusumilli, N.C.**, R. D. Lacewell, C. R. Taylor, and M. E. Rister. 2016. "Economic Assessment of Producing Corn and Cellulosic Ethanol Mandate on Agricultural Producers and Consumers in the United States." *Economics Research International*, Article ID: 6842837.
- Musumba, M., J. W. Mjelde, and **N. C. Adusumilli**. 2015. "Remittance receipts and allocation: a study of three African countries." *Applied Economics* 47(59): 6375-6389.
- Adusumilli, N.** 2015. "Valuation of Ecosystem Services from Wetlands Mitigation in the United States." *Land* 4 (1): 182-196.
- Adusumilli, N.**, T. Lee, M.E. Rister, and R.D. Lacewell. 2014. "The Economics of Mitigation of Water Pollution Externalities from Biomass Production for Energy." *Resources* 3(4): 721-733.
- Adusumilli, N.C.** and A. Leidner. 2014. "The U.S. Biofuels Policy: Review of Economic and Environmental Implications." *American Journal of Environmental Protection* 2(4): 64-70.
- Leidner, A., and **N.C. Adusumilli**. 2013. Estimating Effects of Improved Drinking Water and Sanitation on Cholera. *Journal of Water and Health* 11(4): 671-683.

Peer-Reviewed Extension Articles and Magazine Articles

- Adusumilli, N. 2018.** Farm Bill Impact on CSP and EQIP spending in Louisiana. Staff Report No. 2018-31.
- Adusumilli, N. 2018.** Cover Crop and Tillage Scenarios. LSU AgCenter Report. MISC-254.
- Adusumilli, N. 2018.** Connecting Conservation with Crop Insurance. Staff Report No. 2018-26.
- Adusumilli, N. 2018.** Sustainable Development and Globalization: Natural Resources and Ecosystems. *Louisiana Agriculture* (Spring 2018) 61(2): 25-27.
- Adusumilli, N. 2018.** Q & A of Conservation Policy and Crop Insurance surrounding Cover Crops. Staff Report No. 2018-13.
- Adusumilli, N., et al. 2018.** An Assessment of Water Quality Protection Practices by Louisiana Farmers. *Louisiana Agriculture* Vol 60, No.4, Fall 2017.
- Adusumilli, N. 2017.** Louisiana farmers and landowners can jump-start conservation through local partnerships. *Agricultural Economics Information Report* No. 324. Louisiana State University.
- Adusumilli, N., and S. Dodla. 2017.** Soil management health practices: An economic perspective. *Louisiana Crops Newsletter* 7(5): 9-10.

- Adusumilli, N.,** S. Davis, and D. Fromme. 2016. Evaluation of net profits from surge irrigation in row crops in Louisiana. LSU AgCenter Publication-3566. Louisiana State University.
- Adusumilli, N.,** and B. Handy. 2016. Efficiency improvements to irrigation systems and potential savings in irrigation costs for Louisiana row crop production. LSU AgCenter Publication-3562. Louisiana State University.
- Adusumilli, N.,** and E. Girouard. 2016. New changes for the NRCS-Conservation Stewardship Program (CSP). LSU AgCenter Publication-3561. Louisiana State University.
- Adusumilli, N.** 2015. Waters of the United States rule. LSU AgCenter Publication-3456. Louisiana State University.
- Adusumilli, N.** and S. Dodla. 2017. Soil management health practices: An economic perspective. Louisiana Crops Newsletter 7(5): 9-10.
- Adusumilli, N.** 2015. A quick outlook of the new Clean Water Act rule. Louisiana Crops Newsletter 5(6): 3.
- Adusumilli, N.,** and S. Davis. 2015. Addressing agricultural water challenges in Louisiana through research and extension: LSU AgCenter STAMP program. Louisiana Agricultural Consultants Association Newsletter, Spring Issue 2015, Vol 20: 4.
- Davis, S. L., and **N. Adusumilli.** 2015. Efficient irrigation saves water and money: The STAMP Program. Louisiana Agriculture (Winter 2015) 58(1): 8-9.

Decision Tools Developed

- Adusumilli, N.** 2018. "Cover Crop Decision Tool." LSU AgCenter.
- Adusumilli, N.** 2017. "Irrigation Cost Savings Calculator." LSU AgCenter.

Extension Presentations – Speaker

- "Policy changes related to cover crop use and the LSU AgCenter Decision Tool" Winnsboro, LA. June 19, 2018.
- "Irrigation efficiency and conservation options in small-scale production." Back to Your Roots Conference. Natchitoches, LA. May 18, 2018.
- "Cover crops and Conservation Incentives for Pasture Farmers." Beef and Forage Field Day. Homer, LA. April 26, 2018.
- "Cover crops, Irrigation, and Economics. Natchitoches Producer Certification meeting. Natchitoches. March 6, 2018.
- "Addressing resource concerns in Louisiana's agriculture through education, outreach, and research." University of Philippines, Los Banos. Feb 12, 2018.
- "Soil Health, Cover Crops, and Conservation Policy." LSU AgCenter Soil Health and Cover Crop Conference. West Monroe. Jan 23, 2018.
- "Irrigation and Conservation Planning." Caddo Soil and Water Conservation District meeting. Shreveport, LA. Dec 5, 2017.
- "Whats up with the WOTUS." Louisiana Master Cattlemen Program, Phase I training. Lafayette, LA. Nov 13, 2017.
- "Water Quality-Our Water is Alive." WaterFest 2017, Day 2. Sparta Foundation Event. Ruston LA. Oct 13, 2017.

“Water Conservation- Use it Wisely.” WaterFest 2017. Sparta Foundation Event. Ruston LA. Oct 12, 2017.

“Irrigation Rate and its Impact on Production Costs for upcoming Crop Year.” North Caddo Irrigation District Bi-annual Meeting. Caddo parish, LA. Oct 5, 2017.

“New ruling of the Waters of the United States and Protection of Voluntary Conservation Dollars. A need for Call to Action.” Interagency Field Tour. Mer Rouge, LA. July 18, 2017.

“Impact of National Water Policy and Conservation Budget Changes to Agriculture.” Dean Lee Field Day. Alexandria. July 13, 2017.

“Irrigation Planning Efforts in Louisiana Agriculture.” National Conference of State Legislatures meeting. New Orleans, LA, June 10, 2017.

“Impact of the WOTUS act on state crop producers and livestock farmers.” Livestock field day at Kincaid farm, Fort Necessity, LA. May 16, 2017.

“Update on WOTUS, Marketing Summary, Irrigation Economics” Caddo Producer Pesticide Certification meeting.” Shreveport, LA. March 3, 2017.

“Irrigation and water management: The \$\$\$ and sense of conservation.” Sustainable Agriculture Education Series. Campti, LA. Feb 11, 2017.

“Efficiency of irrigation practices in row crop production.” Conservation Conference (Irrigation Section-Day 2). Baton Rouge, LA. Feb 1, 2017.

“Efficiency of irrigation practices in row crop production.” Conservation Conference (Irrigation Section-Day 1). Baton Rouge, LA. Jan 31, 2017.

“Estimating the Economics of Irrigation Practices and Potential Savings in Production Costs.” Winnsboro, LA. SARE grant activity. Jan 25, 2017.

“Economics of Agricultural Practices that Promote Conservation on Working Lands.” Bossier City, LA. Master Farmer Training Phase II event. Jan 24, 2017.

“Economics of Irrigation Efficiency Practices.” Bossier City, LA. SARE grant activity. Jan 17, 2017.

“Impact of National and State Policy Changes on Louisiana Cotton Production and Overall Profitability.” Winnsboro, LA. Nov 29, 2016.

“Impact of National and State Policy Changes on Louisiana Soybean and Corn Crop Production Economics.” Baton Rouge, LA. Nov 17, 2016.

“Enhancing crop profitability and protecting water quantity, water quality, and soil health through adopting best-suited management practices.” Belcher, LA. RCPP grant activity. Nov 15, 2016.

“Sustainable Development Goals and Data Needs for Maize Intensification Plans–Webinar.” Part-II. October 26, 2016.

“Sustainable Development goals and data needs for Maize intensification plans–Webinar.” Part-I. October 25, 2016.

“Irrigation efficiency in row crop production.” Irrigation and Conservation Workshop. Red River parish Soil and Water Conservation District. Coushatta, LA. August 3, 2016.

“Economic value of irrigation efficiency improvements in row crop production.” Morehouse Black Farmers Field Day. Bastrop, LA. July 22, 2016.

“Changes in EQIP-NRCS and impact on conservation across Louisiana.” Row crop field day. Dean Lee Research Station. Alexandria, LA. July 14, 2016.

“Changes in state and federal policy affecting agriculture.” Louisiana Master Farmer Phase I training. Lafayette, LA. June 28, 2016.

“Value of irrigation data in making profitable decisions.” Red River Research Station Field Day, Bossier City, LA. June 15, 2016.

“Economics research at Red River Research Station.” Centenary College, Shreveport, LA. April 14, 2016.

“Economic benefits and costs of cover crops in crop production.” Cover crop field day. Dean Lee Research Station. Alexandria, LA. April 6, 2016.

“Evaluating benefits and costs of cover crops in the cotton production system in Northwest Louisiana.” SARE workshop. Marksville, LA. February 16, 2016.

“Identifying priorities and challenges in Louisiana’s irrigated agriculture.” SARE workshop. Marksville, LA. February 16, 2016.

“Water policy in agriculture.” Caddo Parish Crop Production meeting. Shreveport, LA. February 4, 2016.

“Priorities and challenges in Louisiana's agriculture: A policy and economics perspective.” Irrigation Workshop, Scott Research/Extension & Education Center, Winnsboro, LA. January 21, 2016.

“Opportunities and challenges of irrigated crop production in Louisiana.” Irrigation Workshop, Red River Research Station, Bossier City, LA. December 9, 2015.

“Financial tools in crop production.” Irrigation Workshop, Red River Research Station, Bossier City, LA. December 8, 2015.

“Assessing the economics of irrigated crop production in Louisiana.” Producer meeting, Oak Grove, LA. December 3, 2015.

“Benefits of irrigated crop production in Louisiana.” Producer meeting, Ferriday, LA. Dec 2, 2015.

“WOTUS – Update.” Restricted Use Pesticide certification meeting. Dean Lee Research Station. Alexandria, LA. November 4, 2015.

“Resource concerns and emerging priorities in agriculture in Caddo Parish, Louisiana.” Locally led NRCS meeting, Caddo Parish Extension Office, Shreveport, LA. October 20, 2015.

“WOTUS.” Third Annual Beef Cattle and Forage Field Day. Dean Lee Research Station. Alexandria, LA. October 8, 2015.

“Importance and challenges of irrigated crop production In Louisiana.” LSU AgCenter Ag Leadership Class. Bossier City, LA. October 6, 2015.

“Economics of irrigation efficiency improvement in row crop agriculture.” Morehouse Parish Black Farmers Field Day. Bastrop, LA. July 24, 2015.

“The New Clean Water Rule.” Interagency Field Tour and Training Event, LSU AgCenter. Northeast Louisiana. July 23, 2015.

“Waters of the US (“WOTUS”) – Update.” Forestry, Nursery, and Wood Processing Recertification Meeting, Alexandria, LA. July 16, 2015.

“Waters of the US – WOTUS.” Water Resources Committee Meetings, Alexandria, LA. July 6, 2015.

“Irrigation tools to improve irrigation water use efficiency in Louisiana’s row crops.” Ag Leadership Class, Ferriday, LA. May 20, 2015.

“Irrigation management in Louisiana row crops.” Ministry of Agriculture, The Republic of Georgia visit to the LSU AgCenter, Bossier City, LA. May 26, 2015.

“Water use and irrigated crop production in Louisiana.” Water Resources Committee Meetings, Bossier City, LA. February 18, 2015.

“Pathways to a sustainable irrigated crop production in Louisiana.” Louisiana Agricultural Consultants Meeting, Marksville, LA. February 10, 2015.

“Assessing the long-term profitability of irrigated crop production in Louisiana.” Producer meeting, Tallulah, LA. December 3, 2015.

“Value of irrigation in Louisiana row crops.” Irrigation Workshop/Joint Training with Natural Resources Conservation Service, Winnsboro, LA. September 25, 2014.

Mass Media

Radio interviews

- Clean Water Act and WOTUS. Baton Rouge Advocate. Phone call with Steve Hardy. April 13, 2017.
- “WOTUS Update.” Louisiana Farm Bureau Network. September 7, 2015.
- “Challenges to Louisiana’s agriculture in light of the new Waters of the United States rule.” Louisiana Farm Bureau Network. September 2, 2015.
- “LSU AgCenter water economist helps farmers, foresters interpret new Clean Water Rule.” Interviewed for Red River Radio, a subsidiary of National Public Radio. August 11, 2015.
- “Smart irrigation technology adoption in Louisiana’s agriculture.” Interviewed for Red River Radio, a subsidiary of National Public Radio. August 8, 2014.

Select Contribution to popular press

- AgCenter field day features pasture, cattle information. May 1, 2018. LSU AgCenter News. Available at <http://www.lsuagcenter.com/profiles/rbogren/articles/page1525185824339>
- Cover Crops, Crop Insurance and a new Resource. Delta Farm Press. April 26, 2018. Available at <http://www.deltafarmpress.com/cover-crops/cover-crop-rules-crop-insurance-and-new-resource>
- LSU AgCenter experts discuss water issues at conference. April 3, 2018. Available at <http://www.lsuagcenter.com/profiles/jmorgan/articles/page1522771317225>
- Fellowship program brings international scientists to study at LSU AgCenter. March 15, 2018. Available at <http://www.lsuagcenter.com/profiles/rbogren/articles/page1521122748459>
- False rag weed becoming major row crop pest. July 17, 2017. Available at <http://www.lsuagcenter.com/profiles/rbogren/articles/page1500303032317>
- Conservation meeting features LSU AgCenter projects. Feb 2, 2017. Available at <http://www.lsuagcenter.com/profiles/rbogren/articles/page1486067966582>
- Louisiana: Workshop Highlights Importance of Timely, Efficient Irrigation. Jan 20, 2017. Available at <http://www.lsuagcenter.com/profiles/rbogren/articles/page1484846070322>
- Sustainable practices highlight irrigation workshop Dec 9, 2016. Available at <http://www.thenewsstar.com/story/news/2015/12/09/sustainable-practices-highlight-irrigation-workshop/77062228/>

- Louisiana farmers will have to pay two new taxes. Oct 14, 2016. Available at <http://www.lsuagcenter.com/profiles/aiverson/articles/page1476466565934>
- North La. farm tour provides updates on crop research. July 27, 2016. Available at <http://www.lsuagcenter.com/profiles/jmorgan/articles/page1469625769647>
- La. farmers seeing few problems in fields this year. July 18, 2016. Available at <http://www.lsuagcenter.com/profiles/rbogren/articles/page1468875729519>
- North La. farm tour informs youth, community about ag technology, research. July 7, 2016. Available at http://apps.lsuagcenter.com/news_archive/2015/July/headline_news/North-La-farm-tour-informs-youth-community-about-ag-technology-research.htm
- Red River Station field day focuses on water use. June 22, 2016. Available at <http://www.lsuagcenter.com/profiles/lbenedict/articles/page1466606827207>
- Red River Station Field day focuses on water use. June 21, 2016. Available at <http://www.agtraderusa.com/pages/articles.php?id=1054&m=&y>
- LSU AgCenter to test cover crops at Beauregard farm. April 12, 2016. Available at http://www.westcentralsbest.com/life/lsu-agcenter-to-test-cover-crops-at-beauregard-farm/article_95d00ee0-00a4-11e6-94e7-a3919f885664.html?utm_medium=social&utm_source=email&utm_campaign=user-share
- Louisiana: Cover Crops Boost Soil Health, Yields. April 8, 2016. Available at <http://agfax.com/2016/04/08/louisiana-cover-crops-boost-soil-health-yields/>
- LSU AgCenter water economist helps farmers, foresters interpret new Clean Water Rule. August 12, 2015. Available at <http://wwno.org/post/lsu-agcenter-water-economist-helps-farmers-foresters-interpret-new-clean-water-rule>
- Clean Water Act regulations could affect farm irrigation. July 18, 2015. The Natchitoches Times. Weekend Edition. July 18-19, 2015. Page 4.
- New Clean Water Act rule to start. July 15, 2015. The Ouachita Citizen. Available at http://www.hannapub.com/ouachitacitizen/news/local_state_headlines/new-clean-water-act-rule-to-start/article_4adf844c-2afd-11e5-af8c-6f04a91f1b5b.html?utm_medium=social&utm_source=email&utm_campaign=user-share
- New clean water act rule takes effect in August. July 10, 2015. Available at <https://www.highbeam.com/doc/1P33739399041.html>
- Enforcement of Clean Water Rule still unclear for farmers. Louisiana Agriculture (Summer 2015) 58(3): 2.
- Smart' irrigation techniques slowly catch on in Louisiana. Aug 12, 2014. Available at <http://redriverradio.org/post/smart-irrigation-techniques-slowly-catch-louisiana>
- Economist Studies Potential Benefits of 'Smart' Irrigation. Myarklamiss.com. Available at <http://www.myarklamiss.com/news/news/economist-studies-potential-benefits-of-smart-irrigation>

Invited Extension Activities

- Invited to participate in drafting “Nutrient Credit Trading in Louisiana.” Louisiana Dept. of Environmental Quality. Meetings I, II, and III. June 2018.
- Invited to participate in Louisiana Regional Conservation Partnership Program (LA-RCPP) field tour – “Conservation Practices to Enhance Water Quality”. Field tour organized by Louisiana NRCS and The Nature Conservancy. May 13-14, 2015.
- Invited to participate in “Shifftail Watershed Natural Resource Concerns Assessment Tour”. Organized by Louisiana Dept. of Ag and Forestry and NRCS, Louisiana. Caddo parish, Louisiana. April 22, 2015.

Service Activities - Participation in public policy and community issues

- Louisiana Association of Conservation Districts Annual Meeting. Alexandria, LA. Jan 11, 2018
- Sparta groundwater protection stakeholder meeting. Ruston, LA. Oct 12, 2017
- Sparta groundwater protection stakeholder meeting. Minden, LA. June 20, 2017
- Sparta groundwater protection stakeholder meeting. Homer, LA. Jan 19, 2017.
- Louisiana Association of Conservation Districts Annual Meeting. Alexandria, LA. Jan 12, 2017.
- Roundtable discussion with Franklin Parish farmers on ground water. Winnsboro, LA. Nov 22, 2016.
- USGS Mississippi Alluvial Plain (MAP) water-availability study meeting. Stoneville, MS. Oct 21, 2016.
- Louisiana Sparta Groundwater Commission & Other Sparta Stakeholders meeting. El Dorado, AR. Oct 19, 2016.
- Waterfest - Sparta Aquifer 2016. Minden, LA. Oct 7, 2016.
- Waterfest - Sparta Aquifer 2016. Minden, LA. Oct 6, 2016.
- Waterfest - Sparta Aquifer 2016. Ruston, LA. Sept 29, 2016.
- Southeast regional climate hub workshop. Dec 17, 2015. Alexandria, LA.
- Red River Basin focus area study- stakeholder meeting. United States Geological Service. LSUS, Shreveport, LA. August 19, 2015.
- Gulf of Hypoxia workshop. Louisiana Hypoxia Working Group. University of New Orleans, New Orleans, LA. August 13, 2015.
- Louisiana Regional Conservation Partnership Program (LA-RCPP) field tour – “Conservation Practices to Enhance Water Quality”. Field tour organized by Louisiana NRCS and The Nature Conservancy. May 13-14, 2015.
- Shift-tail watershed natural resource concerns assessment tour, organized by Louisiana Dept. of Ag and Forestry, Caddo Soil and Water Conservation District, and NRCS, Louisiana. Caddo parish, Louisiana. April 22, 2015.
- The impact of agriculture on water quality, organized by NRCS, Louisiana. Hill Farm Research Station, LSU AgCenter, Homer, LA. August 27, 2014.
- Caddo Soil and Water Conservation Board - developing annual agricultural water rate structures for irrigation water use. Monthly meeting, Shreveport, LA.
- Caddo Irrigation Water District – advising on water conservation and recording water data on

farms. Bi-annual meeting, Shreveport, LA.

- Union County Water Conservation Board Meeting, Quarterly meeting, Eldorado, AR.
- Science and Policy Committee, Soil and Water Conservation Society, Teleconference, Monthly.

Online Documents

- **Adusumilli, N.** and S. Dodla. 2016. An Economic Perspective on Soil Health Management Practices. Available at <http://www.lsuagcenter.com/profiles/nadusumilli/articles/page1495644442204>
- **Adusumilli, N.** 2016. Can irrigation history waiver pave the path for more conservation in the state? Available at <http://www.lsuagcenter.com/profiles/nadusumilli/articles/page1468421028593>
- **Adusumilli, N.** 2016. Irrigation-related changes in the final rule for Environmental Quality Incentives Program (EQIP). Available at: <http://www.lsuagcenter.com/articles/page1463177301889>
- **Adusumilli, N.** 2016. Groundwater withdrawal permits in Mississippi. Available at <http://www.lsuagcenter.com/articles/page1464896535066>
- **Adusumilli, N.** 2016. New definitions of the Waters of the United States (WOTUS) rule. <http://www.lsuagcenter.com/articles/page1463413385517>

Briefing Papers

- **Adusumilli, N.C.,** M.E. Raster, R.D. Lacewell, T. Lee, and J. Blumenthal. 2013. “Mitigating Externalities Related to Land Use Change for Biomass Production for Energy in the Tres-Palacios River Watershed of Texas.” BioEnergy Policy Brief. Available at <http://www.ag.auburn.edu/biopolicy/>.
- **Adusumilli, N.C.,** C.R. Taylor, R.D. Lacewell, and M.E. Rister. 2013. “Aggregate Economic Implications of National Cellulosic Biofuel Goals.” BioEnergy Policy Brief. Available at <http://www.ag.auburn.edu/biopolicy/>.
- **Adusumilli, N.C.,** R.D. Lacewell, and M.E. Rister. 2013. “Energy Balance with Cellulosic Biofuels.” BioEnergy Policy Brief. Available at <http://www.ag.auburn.edu/biopolicy/>.
- **Adusumilli, N.C.,** R.D. Lacewell, C.R. Taylor, and M.E. Rister. 2010. “Aggregate Economic Impacts of the National BioEnergy Policy: A Review.” BioEnergy Policy Brief. Available at <http://www.ag.auburn.edu/biopolicy/>.
- Seawright, E.K., R.D. Lacewell, **N.C. Adusumilli,** C. R. Taylor, and M. E. Rister. 2010. “Net Energy Balance for Ethanol from Irrigated Corn in the High Plains of Texas.” BioEnergy Policy Brief. Available at <http://www.ag.auburn.edu/biopolicy/>.

Participation in Professional Meetings

Invited Speaker

- Adusumilli, N.** Why irrigation efficiency matters in a state that had record floods. Emerging Scholars Award Presentation at the Southern Agricultural Economics Association annual meeting. Jacksonville, FL. February 3-6, 2018.
- Adusumilli, N.** Irrigation Planning Efforts in Louisiana Agriculture. National Conference of State Legislators. New Orleans, LA. June 9-10, 2017.
- Adusumilli, N.** Sustainable Development Goals, and Data Needs for Maize Intensification Plans: Mapping SDG data needs to Maize intensification plans. Webinar. International Maize and Wheat Improvement Center (CIMMYT). Oct 25-26, 2016.

Panel participation at professional conference

- Adusumilli, N, S. Davis, and A. Linhoss.** Connecting data between modern agriculture, water research, and policy. 2016 Data Flow Conference. Baton Rouge, LA. May 9-10, 2016.

Moderator at professional conference

- Adusumilli, N.C.** Session: Agricultural irrigation practices. Universities Council on Water Resources annual conference. Pensacola, FL. June 21-23, 2016.
- Adusumilli, N.C.** Session: Water resource economics 2: Water conservation. Southern Agricultural Economics Association annual meeting. San Antonio, TX, February 6-9, 2016.

Paper Presentations at Professional Conferences

- Adusumilli, N.** R. Dikitinan, and H. Wang. Irrigation technology adoption choices and implication for conservation policy. Selected paper presentation at the Universities Council on Water Resources annual conference. Pittsburgh, PA. June 25-28. 2018.
- Adusumilli, N.** Characteristics of Voluntary Programs Addressing Non-Point Source Pollution. LWRRI Annual Conference. Baton Rouge, LA March 27-28, 2018.
- Adusumilli, N.C.** Farmers' Adoption of Conservation Strategies for Nutrient Management and Water Quality Protection in Louisiana. Selected paper presentation at the Southern Agricultural Economics Association annual meeting. Jacksonville, FL. February 3-6, 2018.
- Adusumilli, N.C.** Irrigation Rate Structure to Address Agricultural Water Scarcity: An Example from North Louisiana. Universities Council on Water Resources annual conference. Fort Collins, CO. June 13-15, 2017.
- Adusumilli, N.C., J. Hendrix, E. Girouard, and J. Carpenter.** The Economic Value of Ecosystem Services from Delisting Impairments: A Case Study of Lake St. Joseph, Louisiana. Selected paper presentation at Southern Agricultural Economics Association annual meeting. Mobile, AL. February 4-7, 2017.
- Adusumilli, N.C.** and D. Fromme. Assessing the economic and environmental benefits and costs of cover crops in cotton production systems in Louisiana. 71st SWCS International Annual Conference. Louisville, KY. July 24-27, 2016.

- Adusumilli, N.C.**, and S. Davis. 2016. Improving irrigation water use efficiency in Louisiana crop production: challenges and opportunities. Universities Council on Water Resources annual conference. Pensacola, FL. June 21-23, 2016.
- Adusumilli, N.C.**, E. Girouard, and R. Leonard. 2016. Farm Management Practices Survey: Opportunities to Address Resource Concerns and Encourage Nutrient Stewardship. Selected paper for presentation at Center for Natural Resource Economics and Policy (CNREP), New Orleans, LA. March 20-22, 2016.
- Adusumilli, N.C.** and D. Fromme. 2016. Evaluating Benefits and Costs of Cover Crops in Cotton Production System in Northwest Louisiana. Selected paper presentation at Southern Agricultural Economics Association annual meeting. San Antonio, TX. February 6-9, 2016.
- Adusumilli, N.C.**, S. Davis, and D. Fromme. 2016. Financial Evaluation of Irrigation Efficiency Improvement Practices in Row Crop Production in Louisiana. Selected paper presentation at Southern Agricultural Economics Association annual meeting. San Antonio, TX. February 6-9, 2016.
- Adusumilli, N.C.**, and J.P. Devine. 2013. A Revealed Preference Approach to Value the Benefits of Clean Water. Universities Council on Water Resources annual conference. Lake Tahoe, CA. June 11-13, 2013.
- Adusumilli, N.C.** T. Lee, R.D. Lacewell, and M.E. Rister. 2011. Impacts of Biofuel Crop Production on Water Quality. Universities Council on Water Resources annual conference. Boulder, CO. July 11-14, 2011.
- Adusumilli, N.C.**, T. Lee, M. E. Rister, and R.D. Lacewell. 2011. Economics of Potential Best Management Practices to Prevent Water Quality Deterioration from Bioenergy Crop Production in a Southern Texas Watershed. Student Research Week, Texas A&M University. March 21-25, 2011.
- Adusumilli, N.C.**, R.D. Lacewell, and M.E. Rister. 2011. Estimation of Irrigation Water Demand: A Case study for the Texas High Plains. Southern Agricultural Economics Association annual meeting. Corpus Christi, TX. February 5-8, 2011.
- Adusumilli, N.C.**, R.D. Lacewell, M.E. Rister, J.D. Woodard, and A.W. Sturdivant. 2011. Effect of Agricultural Activity on River Water Quality: A Case Study for Lower Colorado River Basin. Southern Agricultural Economics Association annual meeting. Corpus Christi, TX. February 5-8, 2011.
- Adusumilli, N.C.**, R.D. Lacewell, C.R. Taylor, and M.E. Rister. 2010. Economic Impacts of the BioEnergy Policy. Intellectbase International Consortium Academic Conference. Houston, TX. March 25-26, 2010.
- Almas, L.K., W.A. Colette, and **N.C. Adusumilli**. 2008. Economic Value of Groundwater Resources and Irrigated Agriculture in the Oklahoma Panhandle. Southern Agricultural Economics Association annual meeting. Dallas, TX. February 2-6, 2008.
- Adusumilli, N.C.** and L.K. Almas. 2007. Energy Cost Comparisons of Center Pivot Systems in the Northern Texas High Plains. Universities Council on Water Resources annual conference. Boise, ID. July 24-26, 2007.
- Adusumilli, N.C.** 2007. Economic Optimization of the Ogallala Aquifer in the Oklahoma Panhandle. Student Research Conference. West Texas A&M University, Canyon, TX. Feb 2007.

Adusumilli, N.C. and L.K. Almas. 2006. Cost Comparisons of Water Treatment Systems to Improve Water Quality for Municipal Use. Universities Council on Water Resources annual conference. Santa Fe, NM. July 18-20, 2006.

Adusumilli, N.C. and L.K. Almas. 2006. Costs of Exporting Water from Texas Panhandle. Student Research Conference. West Texas A&M University, Canyon, TX. Feb 2006.

Poster Presentations at Professional Conferences

Fromme, D.D., J. Lofton, and **N. Adusumilli**. 2015. Agronomic Responses of Corn Hybrids to plant Density in central Louisiana. Selected Poster at the American Society of Agronomy. Minneapolis, MN. November 15-18, 2015.

Adusumilli, N.C. and S. Davis. 2015. Evaluation of Management Strategies to Promote Water Resource Conservation in Louisiana. Selected Poster presented at the Mississippi Water Resources Conference, Jackson, MS. April 6-8, 2015.

Adusumilli, N.C. 2015. Nonuse Values of Surface Freshwater Quality Protection in the United States. Selected Poster presented at the Southern Agricultural Economics Association, Atlanta, GA. February 2-3, 2015.

Adusumilli, N.C. 2015. Estimation of Ecosystem Service Value of Wetland Mitigation in the United States. Selected Poster Presented at the Ecological Society of America, Sacramento, CA. August 11-13, 2014.

Adusumilli, N.C., M. Edward Rister, and R.D. Lacewell. 2012. Groundwater Management by Integrating Water Quality Damages from Energy Crop Production. Selected Poster Prepared for Presentation at the Southern Agricultural Economics Association annual meeting. Birmingham, AL. February 4-7, 2012.

Rister, M.E., W.A. McLaughlin, A.E. Conrad, **N.C. Adusumilli**, R.D. Lacewell, T. Lee, R. Srinivasan, L.L. Falconer, J. Blumenthal, W.L. Rooney, A.W. Sturdivant, and D.A. McCorkle. 2011. Implications of Supplying a Bioenergy Conversion Facility with Cellulosic Biomass Feedstocks – Demands on Scarce Irrigation Water Supplies and Potential Off-Site Discharge Issues. Selected Poster Prepared for Presentation at 2011 Land and Sea Grant annual conference. Washington, D.C.. January 31-February 1, 2011.

Adusumilli, N.C., R.D. Lacewell, C.R. Taylor, and M.E. Rister. 2010. Spillover Effects of the National Bioenergy Policy. Selected Poster Prepared for Presentation at the Texas Plant Protection Association Conference, College Station, TX. December 6-7, 2010.

Lee, T., **N.C. Adusumilli**, R. Srinivasan, M.E. Rister, and R.D. Lacewell. 2010. Estimating Impacts of Biofuel Crop Production on Water Quality. Selected Poster Prepared for Presentation at the Texas Plant Protection Association Conference, College Station, TX. December 6-7, 2010.

Adusumilli, N.C., R.D. Lacewell, C.R. Taylor, and M.E. Rister. 2010. Overview of the BioEnergy Policy Outcomes on the Food, Fiber, and Natural Resource System. Selected Poster Prepared for Presentation at the Student Research Week, Texas A&M University, College Station, TX. March 22-26, 2010.

Adusumilli, N.C., R.D. Lacewell, C.R. Taylor, and M.E. Rister. 2010. Economic Impacts of the BioEnergy Policy. Selected Poster Prepared for Presentation at the Intellectbase International Consortium, Houston, TX. March 25-26, 2010.

Adusumilli, N.C., R.D. Lacewell, and C.R. Taylor. 2008. Food and Fuel, Can they Coexist? Selected Poster Prepared for Presentation at the Fueling the Future Conference, College Station, TX. March 27-28, 2008.

Current Reviewer Responsibilities

- National Institute for Water Resources – USGS
- Journal of Soil and Water Conservation
- National Institute of Food and Agriculture Hatch Projects
- Health Expectations
- Journal of Agricultural and Applied Economics
- Wetland Ecology and Management

Membership in Professional Societies

Soil and Water Conservation Society (Science & Policy Committee)	2015-present
Center for Natural Resource Economics & Policy (Technical Committee)	2015-present
Universities Council on Water Resources (University Delegate)	2006-present
Southern Agricultural Economics Association	2008-present
American Agricultural Economics Association	2009-present
<i>SERA-43</i> , Southern Region Integrated Water Resources Committee	2014-present
<i>S1063</i> , Quantification of Best Management Practices Effectiveness for Water Quality Protection at the Watershed Scale	2014-present
Water Resources Team – Gulf of Mexico Alliance	2016-present
Louisiana Master Farmer Technical committee	2016-present
Louisiana Agriculture editorial Board member	2017-present

Awards

- **2017 Emerging Scholar Award**- Presented by Southern Agricultural Economics Association.
- *Sessions Winner* - Oral Presentation: **Adusumilli, N.C.**, T. Lee, M. E. Rister, and R.D. Lacewell. 2011. "Economics of Potential Best Management Practices to Prevent Water Quality Deterioration from Bioenergy Crop Production in a Southern Texas Watershed." Student Research Week, Texas A&M University, March 21-25, 2011.
- *Graduate Student Association Travel Grant*. 2011. Texas A&M University
- *Selected Best Poster* - **Adusumilli, N.C.**, R.D. Lacewell, C.R. Taylor, and M.E. Rister. 2010. "Spillover Effects of the National Bioenergy Policy." Selected Poster Prepared for Presentation at the Texas Plant Protection Association Conference, College Station, TX, December 6-7, 2010.
- *Pathways to the Doctorate Fellowship*. 2007. Texas A&M University. \$40,000
- *Overall Outstanding Paper* - Oral Presentation: **Adusumilli, N.C.** 2007. "Economic Optimization of the Ogallala Aquifer in the Oklahoma Panhandle." Student Research Conference. West Texas A&M University, Canyon, TX.
- *Outstanding International Student Academic Achievement Award*. 2006. Phi Beta Delta

- *Jane Ann & B.A Stewart Dryland Agricultural Scholarship. 2006.*

Professional Honors and Activities

Recruitment Committee member, Graduate Student Association, TAMU	2010-2011
Test Bank Chair, Graduate Student Association, TAMU	2009-2010
Pathways Fellow, TAMU	2007-2009
Member, Alpha Zeta, WTAMU	2006-2007
President Rotaract Club, WTAMU	2006-2007
Graduate Student Senator, WTAMU	2006-2007
Member, Phi Beta Delta, WTAMU	2005-2007

Theses/dissertations directed (numbers only)

One (1) Master's Thesis.
One (1) Master's Thesis - Underway
Three (3) undergraduate Students (non-thesis).