**Burton C. English**

**Institute Professor, The University of Tennessee**

**Department of Agricultural & Resource Economics**

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**Education and Training**

1981 Ph.D. Agricultural Economics, Iowa State University, Ames, IA

1976 M.S. Agricultural Economics, New Mexico State University, Las Cruces, NM

1974 B.S. Forestry, Iowa State University, Ames, IA

**Awards and Recognition**

USDA’s Certificate of Appreciation, 1989.

UTK Chancellor’s Award for Research, 1994.

Neal and Trice Peacock Teaching/Learning Merit Certificate, April 1992.

Neal and Trice Peacock Teaching/Learning Merit Certificate, April 2000.

Dutch and Marilee Cavendar Award for Best Research Publication, July 2000.

Delta Sigma Delta Research Award, Fall 2008.

UT AgResearch Research Impact Award, 2010.

Gamma Sigma Delta Research Team Award (BEAG), 2012.

UTIA Research Team Award, 2013.

DOE’s Certificate of Appreciation, 2016.

Success in Multidisciplinary Research award, 2018.

Institute Professor, 2019.

**Publication Summary**

140 Journal Articles

20 Chapters in Books

7 Books Published

223 Abstracts or Proceedings Papers

282 Bulletins and Other Reports

**Grants & Contracts Summary (1987-2019)**

PI or Co-PI of $30.2 million in funding

**Graduate Students Advised as Major Professor**

15 Master’s Theses

11 PhD Dissertations

**Professional Experience**

**2019-Current**

**Institute Professor:** Department of Agricultural & Resource Economics, University of Tennessee; Knoxville, TN.

**Teaching Accomplishments:**

* Taught departmental courses, both undergraduate and graduate level, in Agricultural and Trade Policy, Agricultural Production, Agricultural Finance, Research Methods, Economics of Renewable Energy, Mathematical Programming, Agribusiness Operations Research, Advanced Quantitative Methods and Agricultural Supply Analysis, Managerial Economics for Agribusiness.
* Directed to completion 26 dissertation and thesis students and served on countless graduate student committees in Agricultural and Resource Economics, Bio systems Engineering and Soil Science, Economics, Forestry, Geography, Management Science and Plant Science.

**Research Accomplishments:**

* Developed and use simulation models to conduct analysis of production/environmental issues revolving around agricultural production.
  + Analysis of alternative environmental policies and impacts on production agriculture.
  + Examination of alternative proposed land use changes on net farm income.
  + Impacts environmental policies have on small and medium-sized agricultural producers.
  + Impacts of biomass feedstock production on the agricultural producers as well as the regional and national economies
* Evaluated the economic potential of developing new crops for agricultural producers and the impacts these crops might have on net farm income with a current focus on bio-energy crops.
  + Economics of producing herbaceous and short rotation woody feedstocks.
  + Evaluation of whether sufficient resources exist at a regional level to sustain a bio-energy initiative.
* Development of long run biomass for energy supply curves.
* Impacts on the environment of switching from coal or other fossil-fuel-based energy to bio-energy.
* Examination of regional economic impacts of constructing and relying on bio-energy processing facilities

**1993-2019**

**Professor:** Department of Agricultural & Resource Economics, University of Tennessee; Knoxville, TN.

**1986-1993**

**Associate Professor:** University of Tennessee, Knoxville, TN.

Research in three areas: focusing on the impact of environmental programs on the long-term feasibility of the family farm; evaluating the Conservation Reserve Program, dedicated energy crops, and other alternative technologies; and Teaching.

**1981-1986**

**Staff Economist and Adjunct Assistant Professor:** Center for Agricultural and Rural Development and Department of Economics, Iowa State University.

Conduct analysis on impacts of agricultural policy on the regional and national farm sector. Major topics included, use of crop residues as a co-fired feedstock, natural gas deregulation and its impacts on the nation’s agricultural sector, impact of increasing energy prices on the nation’s agricultural sector, and conducted the economic analysis for the Resource Conservation Act Appraisal USDA conducted in 1980 and 1985.

**Journal Articles**

1. Sharma, B. P., T. E. Yu, B. C. English, C. Boyer, and J. A. Larson. 2019. Stochastic Optimization of Cellulosic Biofuel Supply Chain under Feedstock Yield Uncertainty. Energy Procedia, 158: 1009-1014.
2. Boyer, C., D. M. Lambert, A. P. Griffith, C. D. Clark, and B. C. English., 2020, [Seasonal Hay Feeding for Cattle Production in the Fescue Belt](https://taes.tennessee.edu/publication/form.asp?which=26010), Journal of Agricultural and Applied Economics, 52(1), 16-29, doi:10.1017/aae.2019.30
3. Choi, Y., D. Lambert, K. L. Jensen, C. D. Clark, B. C. English, and M. Thomas., 2020, [Rank-Ordered Analysis of Consumer Preferences for the Attributes of a Value-Added Biofuel Co-Product](https://taes.tennessee.edu/publication/form.asp?which=27926), Sustainability, 2020, 12, 2363
4. Englund, O., I. Dimiriou, V.H, Dale, K. L. Kline, B. Mola-Yudego, F. Murphy, B. C. English, J. McGrath, G. Busch, M. C. Negri, M. Brown, G. Devlin, K. Goss, S. Jackson, k. McDonnell, E.S. Parish, and H. Ssegane, J. Quinn, and J. Cacho., 2020, [Multifunctional perennial production systems for bioenergy: performance and progress](https://taes.tennessee.edu/publication/form.asp?which=26012), WIRES Energy and the Environment, WIREs Energy Environ.
5. Gill, MacKenzie, K. L. Jensen, D. M. Lambert, S. Upendram, B. C. English, N. Labbé, S. jackson, and R. J. Menard., 2020, [Consumer Preferences for Eco-Friendly Attributes in Disposable Dinnerware](https://taes.tennessee.edu/publication/form.asp?which=26005), Resources, C nfonservation and Recycling, Volume 161, October 2020, 104965
6. Kai, L., S. Park, S. Kelley, B. C. English, T. E. Yu, J. A. Larson, and Y. Yuan., 2020, [Impacts of Uncertain Feedstock Quality on the Economic Feasibility of Fast Pyrolysis Biorefineries with Blended Feedstocks and Decentralized Preprocessing Sites in the Southeastern United States](https://taes.tennessee.edu/publication/form.asp?which=27957), Global Change Biology Bioenergy
7. Xiangping, L., S. Cho, G. Chen, D. Hayes, B. C. English, and P. Armsworth., 2020, [Does a trade-off exist between economic and environmental impacts of forest carbon payment programs?](https://taes.tennessee.edu/publication/form.asp?which=27956), Climate Policy, In Review
8. Sheng, D., S. Owens\*, D. M. Lambert, B. C. English, R. J. Menard, D. W. Hughes, L. H. Lambert, and C. D. Clark. 2019. A Multiregional Input-Output Analysis of Water Withdrawals in the Southeastern United States. The Review of Regional Studies, Southern Regional Science Association, 49: pp 323-350,ISSN 1553-0892, 0048-49.
9. Trejo-Pech, C., J. A. Larson, B. C. English, and T. E. Yu. 2019. Cost and Profitability Analysis of a Prospective Pennycress to Sustainable Aviation Fuel Supply Chain in Southern USA. Energies, 12, no. 16: 3055.
10. Yu, T. E., B. P. Sharma, and B. C. English. 2019. Investigating Lock Delay on the Upper Mississippi River: A Spatial Panel Analysis. Network and Spatial Economics, 19:275-291.
11. Lewis, K.C., E. K. News, S. Peterson, M. N. Pearlson, E. A. Lawless, K. Brandt, D. Camenzind, M. P. Wolcott, B. C. English, G. S. Latta, A. Malwitz, J. I. Hileman, N. L. Brown, and Z. Haq, 2019. U.S. Alternative Jet Fuel Deployment Scenario Analyses Identifying Key Drivers and Geospatial Patterns for the First Billion Gallons, Biofuels, Bioproducts, and Biorefining (BioFPR), Society of Chemical Industry and John Wiley & Sons, Ltd, 13, pp 471–485, <https://doi.org/10.1002/bbb.1951>
12. Cho, S., M. Soh, B. C. English, T. E. Yu, and C. Boyer, 2019. Targeting Payments for Ecosystem Services Given Ecological and Economic Objectives, Forest Policy and Economics, Volume 100, March, pp 214-226
13. Lambert, L. H., O. Shvlo, B. C. English, N. S. Eash, J. A. Zahn, and D. M. Lambert. 2019, Supply Chain and Logistic Optimization of Industrial Spent Microbial Biomass (SMB) Distribution as a Soil Amendment for Field Crop Production, Resources, Conservation, & Recycling, Volume 146, July, pp 218-231
14. Markel, E\*, B. C. English, C. M. Hellwinckel, and R. J. Menard. 2019. Potential for Pennycress to Support a Renewable Jet Fuel Industry. Ecology, Pollution and Environmental Science, SciEnvironm 1:121.
15. Edge, Brittani, M. Velandia, C. Boyer, J. A. Larson, D. M. Lambert, R. K. Roberts, B. S. Wilson, M. J. Buschermohle, B. C. English, R. Rejesus, and L. Falconer. 2018. Automatic Section Control Technologies and GPS Auto-Guidance Systems Adoption in Cotton Production. Journal of Agricultural Sciences, 10, 7: 282-294.
16. Lambert, L. H., B. C. English, D. M. Lambert, O. Shylo, J. A. Larson, T. E. Yu, and B. S. Wilson. 2018. Determining a Geographic High Resolution Supply Chain Network for a Large Scale Biofuel Industry. Applied Energy, 218: 266-281.
17. Lee, J., J. McKnight, L. Skinner, A. C. Sherfy, D. D. Tyler, and B. C. English. 2018. Soil carbon dioxide respiration in switchgrass fields: Assessing annual, seasonal and daily flux patterns. Soil Systems, 2(1), 13; <https://doi.org/10.3390/soilsystems2010013>.
18. Markel, E.L.\*, C. Sims, and B. C. English. 2018. Policy Uncertainty and the Optimal Investment Decisions of Second- Generation Biofuel Producers. Energy Economics, Volume 76, October, pp 89-100.
19. Thompson, N.M, J. A. Larson, M. Velandia, D. M. Lambert, and B. C. English. 2018. Variable-Rate Application on Fertilizer Use in Cotton Production. Journal of Agricultural Science, 10, 10: 40-52.
20. Toliver, D.K., B. C. English, D. D. Tyler, J. Lee, R. J. Menard, and J. C. Walton. 2018. Soil Organic Carbon Changes for Switchgrass Farms in East Tennessee, USA. Soil Systems, 2018, 2(2), 25; https://doi.org/10.3390/soilsystems2020025.
21. Zhong, J., T. E. Yu, C. D. Clark, B. C. English, J. A. Larson, and C. L. Cheng. 2018. Effect of Land Use Change for Bioenergy Production on Feedstock Cost and Water Quality. Applied Energy, 210: 580-590.
22. Cho, S., J. Lee, R. K. Roberts, B. C. English, T. E. Yu, and P. R. Armsworth. 2017. Evaluating a tax-based subsidy approach for forest carbon sequestration. Environmental Conservation, 44(3): 234-243.
23. Edge, B., M. Velandia, D. M. Lambert, R. K. Roberts, J. A. Larson, B. C. English, C. Boyer, R. Rejesus, and A. Mishra. 2017. Changes in the Use of Precision Farming Information Sources Among Cotton Farmers and Implications for Extension. Journal of Extension, 55,2: 2RIB2
24. Lambert, D. M., J. A. Larson, R. K. Roberts, B. C. English, X. Zhou, L. L. Falconer, R. J. Hogan, J. L. Johnson, and J. M. Reeves.  2017.  Resistance is Futile: Estimating the Costs of Managing Herbicide Resistance as a First-order Markov Process and the Case of US Upland Cotton Producers.  Agricultural Economics, 48:1–10, http://onlinelibrary.wiley.com/doi/10.1111/agec.12341/epdf.
25. Zhou, X., B. C. English, J. A. Larson, D. M. Lambert, R. K. Roberts, C. Boyer, M. Velandia, L. L. Falconer, and S. W. Martin.  2017.  Precision Farming Adoption Trends in the Southern U.S.  Journal of Cotton Science.
26. Aboytes, M., K. Castillo, T. E. Yu, C. Boyer, B. C. English, J. A. Larson, L. M. Kline, and N. Labbe.  2016.  A Principal Component Analysis in Switchgrass Chemical Composition.  Energies, 9, 913.
27. Boyer, C., D. M. Lambert, M. Velandia, B. C. English, R. K. Roberts, and J. A. Larson.  2016.  Cotton Producer Awareness and Participation in Cost-Sharing Programs for Precision Nutrient Management Technology.  Journal of Agricultural and Resource Economics, 41(1):81-96.
28. Boyer, C., T. E. Yu, B. C. English, J. A. Larson, N. Labbe, and L. M. Kline.  2016.  Impact of an Innovated Storage Technology on the Quality of Preprocessed Switchgrass Bales.  AIMS Bioengineering, 3(2): 125-138.
29. Cheng, L., X. Ye, B. C. English, D. Boylan, T. Johnson, and B. Zemo.  2016.  Co-firing switchgrass in a 60-megawatt pulverized coal-fired boiler: Effects on combustion behavior and pollutant emissions.  Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 38:3, 322-329.
30. Chugh, S., T. E. Yu, S. W. Jackson, J. A. Larson, B. C. English, and S. Cho.  2016.  Economic Analysis of Alternative Logistics Systems for Tennessee-Produced Switchgrass to Penetrate Energy Markets.  Biomass and Bioenergy, 85:25-34.
31. Dobbs, L. M., K. L. Jensen, M. L. Leffew, B. C. English, D. M. Lambert, and C. D. Clark.  2016.  Consumer Willingness to Pay for Tennessee Beef.  Food Distribution Research, 47(2):1–24.
32. He, L., B. C. English, R. J. Menard, and D. M. Lambert.  2016.  Regional Woody Biomass Supply and Economic Impacts from Harvesting in the Southern US.  Energy Economics, 60:151-161.
33. Kline, L. M., N. Labbe, C. Boyer, T. E. Yu, B. C. English, and J. A. Larson.  2016.  Investigating the impact of biomass quality on near-infrared models for switchgrass feedstocks.  AIMS Bioengineering, 3(1): 1-22.
34. Lambert, D. M., B. C. English, R. J. Menard, and B. S. Wilson.  2016.  Regional Economic Impacts of Biochemical and Pyrolysis Biofuel Production in the Southeastern US: A Systems Modeling Approach.  Agricultural Sciences, Volume 7, pp 407-419
35. Lambert, D. M., C. Cavasos, B. S. Wilson, C. D. Clark, and B. C. English.  2016.  Projected Changes in Stream System Nitrogen Runoff Associated with a Mature Cellulosic Ethanol Industry in the Southeastern United States.  Land Use Policy, 56:291–302.
36. Parish, E. S., V. Dale, B. C. English, S. W. Jackson, and D. D. Tyler.  2016.  Assessing multimetric aspects of sustainability: Application to a bioenergy crop production system in East Tennessee.  Ecoshere, 7(2):e01206. 10.1002/ecs2.1206.
37. Yu, T. E., B. C. English, J. Fu, J. Calcagno, and B. S. Wilson.  2016.  Dedicated Energy Crops Supply Chains and Associated Feedstock Transportation Emissions: A Case Study of Tennessee.  Journal of Transportation Research Forum, Spring, volume 55 No. 1, pages 51-66.
38. Yu, T. E., B. C. English, L. He, J. A. Larson, j. Calcagno, J. Fu, and B. S. Wilson.  2016.  Analyzing Economic and Environmental Performance of Switchgrass Biofuel Supply Chains.  Bioenergy Research, Volume 9, 10.1007/s12155-015-9699-6.,pp. 566-577.
39. Zhong, J., T. E. Yu, J. A. Larson, B. C. English, J. S. Fu, and J. Calcagno.  2016.  Analysis of Environmental and Economic Tradeoffs in Switchgrass Supply Chains for Biofuel Production.  Energy, 107: 791-803.
40. Zhou, X., R. K. Roberts, J. A. Larson, D. M. Lambert, B. C. English, A. Mishra, L. Falconer, R. Hogan, J. Johnson, and J. Reeves.  2016.  Differences in Glyphsate-Resistant Weed management Practices over time and Regions.  Weed Technology, 30: 1-12.
41. Boyer, C., A. P. Griffith, D. McIntosh, G. E. Bates, P. D. Keyser, and B. C. English. 2015. Breakeven price of biomass from switchgrass, big bluestem, and indiangrass in a dual-purpose production system in Tennessee. Biomass and Bioenergy. Biomass and Bioenergy.
42. Jensen, K. L., D. M. Lambert, C. D. Clark, C. Holt, B. C. English, J. A. Larson, T. E. Yu, and C. M. Hellwinckel. 2015. Cattle Producers’ Willingness to Adopt or Expand Prescribed Grazing in the United States. Journal of Agricultural and Applied Economics, 47, 2: 213–242.
43. Larson, J. A., T. E. Yu, B. C. English, K. L. Jensen, M. Gao, and C. Wang. 2015. Effect of Outdoor Storage Losses on Feedstock Inventory Management and Plant-Gate Cost for a Switchgrass Conversion Facility in East Tennessee. Renewable Energy, 74: 803-814.
44. Yu, T. E., J. A. Larson, B. C. English, C. Boyer, D. D. Tyler, and K. Castillo. 2015. Influence of Particle Size and Packaging on Storage Dry Matter Losses for Switchgrass. Biomass and Bioenergy, 53:135-144.
45. Zhou, X., C. D. Clark, D. M. Lambert, and B. C. English. 2015. Optimal Fertilizer Application and Crop Choice between A Perennial Bioenergy Feedstock and An Annual Crop. Journal of Agriculture and Environmental Sciences, 4(1): 1-13.
46. Zhou, X., C. D. Clark, D. M. Lambert, B. C. English, J. A. Larson, and C. Boyer. 2015. Biomass supply and nutrient runoff abatement under alternative biofuel feedstock production subsidies. Agricultural Systems, 139: 250-259.
47. Zhou, X., J. A. Larson, D. M. Lambert, R. K. Roberts, B. C. English, K. J. Bryant, A. K. Mishra, L. L. Falconer, R. J. Hogan, Jr., J. L. Johnson, and J. M. Reeves. 2015. Farmer Experience with Weed Resistance to Herbicides in Cotton Production. AgBioForum, 18,1: 114-125.
48. He, L., B. C. English, D. G. De La Torre Ugarte and D. G. Hodges (2014). "Woody biomass potential for energy feedstock in United States." Journal of Forest Economics 20(2): 174-191.
49. Jensen, K., D. Lambert, C. Clark, C. Holt, J. Zhang, B. English, J. Larson, T. E. Yu and C. Hellwinckel (2014). Results from a 2013 study of grazing and afforestation adoption among Eastern U.S. cattle producers. BEAG: Bio-Based Energy Analysis Group. Knoxville, TN, University of Tennessee Insitute of Agriculture.
50. Jensen, K. L., M. Bruch, R. J. Menard and B. C. English (2014). Analysis of factors influencing agritourism businesses in expansion. Southern Agricultural Economics Association. Dallas, TN.
51. Jensen, K. L., D. M. Lambert, C. D. Clark, C. Holt, B. C. English, J. A. Larson, E. Yu and C. Hellwinckel (2014). Eastern U.S. cattle producer willingness to adopt prescribed grazing. Southern Agricultural Economics Association. Dallas, TX, University of Tennessee Institute of Agriculture Department of Agricultural and Resource Economics.
52. Jensen, K. L., M. B. Leffew, R. J. Menard and B. C. English (2014). "Analysis of factors influencing agritourism businesses perceptions about expansion." Journal of Food Distribution Research 45(2): 118-134.
53. Lambert, D. M., B. C. English, D. C. Harper, S. L. Larkin, J. A. Larson, D. F. Mooney, R. K. Roberts, M. Velandia and J. M. Reeves (2014). "Adoption and frequency of precision soil testing in cotton production." Journal of Agricultural and Resource Economics 39(1): 106-123.
54. Larson, J. A., T. E. Yu, B. C. English, K. L. Jensen, Y. Gao and C. Wang (2015). "Effect of outdoor storage losses on feedstock inventory management and plant-gate cost for a switchgrass conversion facility in East Tennessee." Renewable Energy 74: 803-814.
55. Stokes, Bryce, K. Abt and B. C. English (2015). Using the Forest Sustainable and Economic Analysis Model (FORSEAM): Estiamting Energy Feedstock from the Nation’s Forests, Forest Sustainable Workshop for the Billion Ton Study. Oak Ridge National Laboratory.
56. Yu, T. E., L. He, B. C. English and J. A. Larson (2014). "GIS-based optimization for advanced biofuels supply chains: A case study in Tennessee." Lecture Notes in Management Science 6: 217-227.
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64. Li, X., C. Clark, K. Jensen, S. Yen, and B. English.  2013.  Consumer Purchase Intentions for Flexible-Fuel and Hybrid-Electric Vehicles.  Transportation Research Part D: Transport and Environment, 18: 9-15.
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27. Yu, T. E., B. C. English and J. Zhong. 2015. Impact of Carbon Price on Land Coverage for Energy Crop Supply: A Case of Tennessee. 90th WEAI annual meeting. Honolulu, HI.
28. Yu, T. E., B. C. English and B. A. McCarl. 2015. U.S. Grain Transportation Sector’s Economic Impacts Resulting from Inland Waterway Infrastructure Improvements. 85th Southern Economic Association annual meeting. New Orleans, LA.
29. Yu, T. E., B. C. English, L. He, J. A. Larson, J. Calcagno, J. S. Fu and B. S. Wilson. 2015. Economic Gains and Greenhouse Gases Emissions of a Biofuel Supply Chain in Tennessee. Sun Grant Regional Conference. Auburn, AL.
30. Yu, T. E., B. C. English, L. He, J. A. Larson, J. Calcagno, J. S. Fu and B. S. Wilson. 2015. Cellulosic Biofuel Supply Chains and its Greenhouse Gas Emissions Impact: A Case Study in West Tennessee. Transportation Research Board annual meeting. Washington, D.C.
31. Yu, T. E., B. C. English, L. He, J. A. Larson, J. Calcagno and J. S. Fu. 2015. Evaluating the Supply Chains of Cellulosic Transportation Fuel in Tennessee. 56th Annual Transportation Research Forum. Atlanta, GA.
32. Parish, E. S., V. Dale, B. C. English, S. Jackson and D. D. Tyler. 2015. Assessment of the Overall Environmental and Socioeconomic Sustainability of the Vonore, TN Switchgrass to ethanol Production System. Sun Grant Conference. Auburn, AL.
33. Larson, J. A., T. E. Yu, C. Boyer, B. C. English, N. Labbe, L. M. Kline and D. D. Tyler. 2015. Effect of Particle Size and Bale Wrap on Storage Losses and Quality of Switchgrass. Sun Grant Conference. Auburn, AL.
34. Lambert, D. M., B. C. English, R. J. Menard, B. S. Wilson, L. He, T. E. Yu and K. L. Jensen. 2015. Skilled Labor Preference, Cellulosic Biofuel Facility Location, and Economic Impacts in the Southeastern US. Southern Agricultural Economics Association Meeting. Atlanta, GA
35. English, B. C., T. E. Yu and J. Larson. 2015. The future of biofuels from Economists’ viewpoint: Where are we and where might we be going. The 2015 Julia B. Waxter Environmental Forum. Sweet briar College, VA.
36. English, B. C., D. Lambert, E. Yu, J. Larson, C. Clark and K. Jensen. 2015. Economic Feasibility of Bioenergy in the South and its Environmental and Economic Impacts. Integrated Biomass Supply Systems. Auburn, AL.
37. English, B. C., C. Hellwinckel and B. Wilson. 2015. Alternative Jet Fuel Supply Analysis: The Feedstock Program. ASCENT Advisory Board Meeting. Washington, D.C.
38. English, B. C., L. He, T. E. Yu, R. J. Menard and B. S. Wilson. 2015. Estimating the Cost of Feedstock for a Hypothetical Bio-refinery: A Case Study in Mississippi. 2015 Sun Grant Conference. Auburn, AL.
39. Chugh, S., T. E. Yu, S. W. Jackson, J. A. Larson, B. C. English and S. Cho. 2015. Exploring the Potential to Penetrate the Energy Markets for Tennessee-Produced Switchgrass. Southern Agricultural Economics Association 2015 Annual Meeting. Atlanta, GA.
40. Jensen, K. L., D. M. Lambert, C. D. Clark, C. Holt, B. C. English, J. A. Larson, E. Yu and C. Hellwinckel. 2014. Eastern U.S. cattle producer willingness to adopt prescribed grazing. Southern Agricultural Economics Association. Dallas, TX, University of Tennessee Institute of Agriculture Department of Agricultural and Resource Economics.
41. Jensen, K. L., M. Bruch, R. J. Menard and B. C. English. 2014. Analysis of factors influencing agritourism businesses in expansion. Southern Agricultural Economics Association. Dallas, TX.
42. Boyer, C., T. E. Yu, B. C. English, J. A. Larson and N. Labbe. 2014. Chemical Composition Analysis of Preprocessed Switchgrass Bales Stored Outdoors in Tennessee. Integrated Biomass Supply System Annual Meeting. Knoxville, TN.
43. Boyer, C., A. P. Griffith, D. McIntosh, G. E. Bates, P. D. Keyser and B. C. English. 2014. Breakeven Prices of Biomass for a Dual-Purpose Forage and Biomass Production System. Southern Agricultural Economics Association Annual Meetings. Dallas, TX.
44. Yu, T., Z. Wang, B. English, and J. Larson.  2013.  Estimating the Cost of a Biomass Feedstock Supply Chain Using GIS Data. The Institute for Operations Research and the Management Sciences (INFORMS) annual meeting.  **(invited)**
45. Jensen, K., C. Clark, and B. English.  2012.  Effects of Demographics and Attitudes on WTP for Fuel Import Reductions through Ethanol Purchases.  Journal of Agricultural and Applied Economics Selected Paper prepared for presentation at the Southern Agricultural Economics Association, Annual Meeting, Birmingham, AL. February 4-7, 2012.  **(invited)**
46. English, B., Z. Wang, T. Yu, and J. Larson.  2013.  [Optimization of Cost and Greenhouse Gas Emissions of a Dedicated Energy Crop Supply System to Biorefineries in Tennessee](http://dialogue.usaee.org/index.php/volume-21-no-3-2013). USAEE Dialogue. 21(3).
47. Kotsiri, S., R. Rejesus, M. Marra, S. Larkin, D. Lambert, B. English, J. Larson, M. Velandia, R. Roberts, A. Mishra, and K. Paudel.  2013.  [Environmentally Responsible versus Profit Oriented Farmers: Evidence from Precision Technologies in Cotton Production](http://ageconsearch.umn.edu/bitstream/142565/2/SAEA13_kotsiri%20et%20al._1.15.13.pdf).  Selected Paper published on-line at AgEcon Search, Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 2-5, 2013.
48. Lambert, D., R. Menard, B. Wilson, K. Jensen, T. Yu, C. Clark, and B. English.  2013.  Will Concentration In Skilled Labor Impact the Site Selection Decision of Cellulosic Ethanol Facilities?  The 60th North American Regional Science Conference, Atlanta, GA. November 13-16, 2013.
49. Larson, J., R. Roberts, D. Lambert, B. English, K. Bryant, R. Hogan, A. Mishra, L. Falconer, and J. Reeves.  2013.  Weed Resistance to Herbicides in Cotton Production: Summary Results from A Farmer Survey.  In Proceedings of the Beltwide Cotton Conferences, p. 918, S. Boyd, M. Huffman and B. Robertson (eds.). National Cotton Council of America. San Antonio, TX. January 7-10, 2013.
50. Wang, Z., T. Yu, J. Larson, and B. English.  2013.  [Optimizing the Cost and Greenhouse Gas Emissions of Switchgrass Supply System to Biorefineries: A Case Study of Tennessee](http://ageconsearch.umn.edu/bitstream/151272/2/Poster_2773.pdf).  Selected Poster published on-line at AgEcon Search, Agricultural and Applied Economic Association annual meeting, Washington, DC. August 4-6, 2013.
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52. Watacharaanantapong, P., R. Roberts, D. Lambert, M. Velandia, B. English, R. Rejesus, M. Marra, A. Mishra, and C. Wang.  2013.  Timing of Farmer Decisions to Adopt Four Cotton Precision Agriculture Technologies.  In Proceedings of the Beltwide Cotton Conferences, S. Boyd, M. Huffman and B. Robertson (eds).) National Cotton Council of America. San Antonio, TX, January 7-10, 2013.
53. Yu, T., J. Larson, and B. English.  2013.  [**Assessing the Cost of Supplying Alternative Dedicated Energy Crops for Biofuel Production in Tennessee**](http://ageconsearch.umn.edu/bitstream/143049/2/SAEA2013_biomass_agecon%20search.pdf).  Selected Poster published on-line at AgEcon Search, Southern Agricultural Economics Association Annual Meeting. Orlando, FL. February 2-5, 2013.
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55. Boyer, C., R. Roberts, J. Larson, B. English, D. Tyler, J. Zale, and X. Zhou.  2012.  Switchgrass Yield Response to Nitrogen on Four Soil Types in West Tennessee.  SunGrant Initiative 2012 National Conference, New Orleans, LA. October 2-5, 2012.
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58. English, B., K. Jensen, D. Lambert, R. Menard, T. Yu, and B. Wilson.  2012.  Geographic Analysis of US Green Sector Industry Concentration.  Refereed Presentation, Prepared for the 59th North American Meeting of the Regional Science Association International, Ottawa, Canada. November 7-10, 2012.
59. Larson, J., B. English, T. Yu, N. Labbe, and D. Tyler.  2012.  [**Effects of outdoor storage on the composition of switchgrass**](http://sungrant.tennessee.edu/NatConference/Agenda/National+Conference+Day+1.htm).  SunGrant National Conference meeting, New Orleans, LA. October 2-5, 2012.
60. Lee, J., L. Soro, A. Sherfy, D. Tyler, and B. English.  2012.  Carbon dioxide flux from soils in switchgrass production.  Agronomy Abstracts, ASA.CSSA.SSSA, 2012, CD-ROM.
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65. Ye, X., B. English, L. Cheng, D. Boylan, T. Johnson, and B. Zemo.  2012.  Combustion Behavior and Pollutant Emissions in Co-firing Switchgrass on a 60-Megawatt Pulverized Coal-fired Boiler.  ASABE Annual International Meeting, #1338411, Dallas, TX. July 31, 2011.
66. Yu, T., J. Larson, Y. Gao, and B. English.  2012.  [**Analyzing the Economics of an Alternative Preprocessing Technology in the Switchgrass Logistics System for a Biorefinery in East Tennessee**](http://sungrant.tennessee.edu/NatConference/Agenda/National+Conference+Day+2.htm).  SunGrant National Conference, New Orleans, LA. October 2-5, 2012.
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68. Yu, T., J. Fu, B. English, and J. Larson.  2012.  [**Feedstock Costs and Transportation Emissions and Their Impact on the Site Selection of a Switchgrass Considering the Plant-gate Costs and Hauling Emissions of Feedstock**](http://sungrant.tennessee.edu/NatConference/Agenda/National+Conference+Day+2.htm).  SunGrant National Conference, New Orleans, LA. October 2-5, 2012.
69. Yu, T., J. Fu, J. Larson, B. English, D. De La Torre Ugarte, B. Wilson, J. Yun, and J. Calcagno.  2012.  Locating a Cellulosic Biorefinery in Tennessee by Evaluating Plant-gate Costs and Trucking Emissions of Feedstock.  Selected Poster in AAEA Annual Meeting, Seattle, WA. August 12-14, 2012.
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73. English, B., M. Velandia, C. Garland, J. Larson, and F. Teague.  2011.  Will Small and Mid-Sized Farmers Benefit from the Cellulosic Energy Industrial Complex?: A Final Report.  AFRI Proceedings.
74. Pandit, M., A. Mishra, K. Paudel, S. Larkin, R. Rejesus, D. Lambert, B. English, J. Larson, M. Velandia, and R. Roberts.  2011.  [**Reasons for Adopting Precision Farming: A Case Study of U.S. Cotton Farmers**](http://purl.umn.edu/98575).  Selected Paper, 2011 Annual Meeting of the Southern Agricultural Economics Association, Corpus Christi, TX. February 5-8, 2011.
75. Qualls, D., K. Jensen, B. English, J. Larson, and C. Clark.  2011.  [**Analysis of Factors Affecting Farmers’ Willingness to Adopt Switchgrass Production**](http://purl.umn.edu/98625).  2011 Annual Meeting of the Southern Agricultural Economics Association, Selected Paper, Corpus Christi, TX. February 5-8, 2011.
76. Toliver, D., J. Larson, B. English, R. Roberts, D. De La Torre Ugarte, and T. West.  2011.  [**Effects of No-Tillage Production Practices on Crop Yields as Influenced by Crop and Growing Environment Factors**](http://purl.umn.edu/98818).  Selected Paper, Annual Meeting of the Southern Agricultural Economics Association, Corpus Christi, TX. February 5-8, 2011.
77. Velandia, M., D. Lambert, M. Mendieta, R. Roberts, J. Larson, B. English, R. Rejesus, and A. Mishra.  2011.  [**Factors Influencing Cotton Farmers’ Perceptions about the Importance of Information Sources in Precision Farming Decisions**](http://purl.umn.edu/103752).  Selected Paper 13452, 2011 Annual Meeting of the Agricultural and Applied Economics Association, Pittsburgh, PA. July 24-26, 2011.
78. Yu, T., J. Larson, B. English, and Y. Gao.  2011.  Evaluating the Optimal Logistics System of Biomass Feedstocks for a Biorefinery with Alternative Harvest, Storage and Preprocessing Options: A Case Study of East Tennessee.  Proceedings of American Society of Agricultural and Biological Engineering Annual International Meeting 2011, 3733-3740.
79. Yu, T., J. Larson, B. English, B. Wilson, and Y. Gao.  2011.  Evaluating the Value of Alternative Storage and Preprocessing Methods in the Feedstock Supply Chain for Biomass Ethanol.  Proceedings of 2011 Energy, Utilities, and Environment Conference, Phoenix, AZ. January 31-February 2, 2011.
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81. Yu, T., J. Larson, Y. Gao, and B. English.  2011.  [**Analyzing the Economics Values of Alternative Preprocessing Facilities in the Biomass Feedstocks - Biorefinery Supply Chain**](http://ageconsearch.umn.edu/handle/103993).  AAEA and NAREA Joint Annual Meeting, Pittsburgh, PA. July 24-26, 2011.
82. English, B., R. Menard, K. Jensen, D. De La Torre Ugarte, and C. Hellwinckel.  2010.  Economic and Employment Opportunities from an Expanding Renewable Energy Sector.  2010 IMPLAN User’s Conference, St. Louis, MO. Presented Paper with Abstract from Meeting.
83. Harper, D., D. Lambert, B. English, M. Velandia, D. Mooney, J. Larson, S. Larkin, and J. Reeves.  2010.  Adoption and Perceived Usefulness of Precision Soil Sampling Information in Cotton Production.  In: Proceedings of the 10th International Conference on Precision Agriculture, Denver, CO. July 18-21, 2010.
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**Grants and Contract Activity**

1. Techno-Market Analysis of US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels-amendment 13, Rials, T. and B. English, DOT - FAA - Federal Aviation Administration, $250,000, 8/11/2020-9/15/2021.
2. An Economic Impact Analysis of Potential Investments in the Big Ridge State Park, Hughes, D. and B. English, Union County, $10,000, 6/2020-5/2021.
3. Establishing Baseline Annual Winter Cover Crop Oilseed Yields for the Development of a Sustainable Aviation Fuel Supply Chain in Tennessee, *Larson, English, Sykes, and Yin, UTIA, 10/1/2019-6/30/2021, $40,000.*
4. Analyzing Strategies for Diverting and Managing Organic Waste Streams in Tennessee, Clark, CD, BC English, SA Hawkins, Qiang He, C Hellwinckel, Becky Jacobs, C Sims, FR Walker, and E Yu, Institute for a Secure and Sustainable Environment, University of Tennessee, 2019-2020 $40,000.
5. Assessing the affordability threshold of communities to comply with Regulations: A regional approach, Upendram, S., Wilson, Wright, English, Jensen, Clark, Menard, and Hughes, Tennessee Department of Environment and Conservation, 3/1/2019-2/29/2024, $349,047
6. Economic, Risk and Life Cycle Analysis of Biomass Logistics from Logging Residues and Short Rotation Woody Crops, Yu, Edward, BC English, Jim Larson, C. Trejo-Pech, D. Hodges, N. Labbe, N. Abdoulmomine, and K. Hoyt, USDA/AFRI, 04/01/2019-03/31/2022, $999,888
7. Techno-Market Analysis of US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels-year 4, Rials, T. and B. English, DOT - FAA - Federal Aviation Administration, $260,000, 9/1/2018-9/15/2019
8. Techno-Market Analysis of US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels, Rials and English, DOT - FAA - Federal Aviation Administration, $223,000,8.1.2017-9.15.2018
9. Techno-Market Analysis of US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels, Rials and English, DOT - FAA - Federal Aviation Administration, $100,000/ $92,800, 8.1.2016-7.31.2017
10. Techno-Market Analysis of US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels, Rials and English, DOT - FAA - Federal Aviation Administration, $100,000/$92,500, \*.1.2015-8.1.2016
11. Techno-Market Analysis of US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels, Rials and English, DOT - FAA - Federal Aviation Administration, $142,857/$88,522, 8.1.2014-9.30.2015
12. POLYSYS Update and Model Expansion for Oilseed Analysis, C. Hellwinckel and B. English, USDA - Agricultural Research Service, $64,999, 2/1/2017-5/31/2017.
13. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers in 14 States, Boyer, Larson, English, Roberts, Lambert, and Xia Zhou, Cotton Inc., $15,500, 1.1.2016-12.31.2016
14. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers in 14 States, Roberts, Larson, English, Lambert, Velandia, and Boyer, Cotton Inc., $36,000, 1.1.2015-12.31.2015
15. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers in 14 States, Roberts, Larson, English, Lambert, Velandia, and Boyer, Cotton Inc., $25,000, 1.1.2014-12.31.2014
16. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers in 14 States, Roberts, Larson, English, Lambert, Velandia, and Boyer, Cotton Inc., $10,000, 1.1.2014-12.31.2014 Amendment
17. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers for 2010-2011 Crop Season in 14 States. R. Roberts, J. Larson, B. English, D. Lambert, M. Velandia, and C. Boyer, Cotton, Inc., 121,000, January 2013- December 2013.
18. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers Crop Season in 12 States. R. Roberts, J. Larson, B. English, D. Lambert, M. Velandia, and C. Boyer, Cotton, Inc., 30,000, January 2012- December 2012.
19. Determine the Status of Precision Farming Technology Adoption by Cotton Farmers for 2007-2008 Crop Season in 12 States. R. Roberts, J. Larson, B. English, D. Lambert, M. Velandia, and C. Boyer, Cotton, Inc., $36,000, January 2012- December 2012.
20. Analysis of Economic Impacts from an Ocmulgee National Park & Preserve, English and Jensen, National Park Service,2.1.2016-4.30.2016
21. Analysis of Economic Impacts from Sungrant Program Funded Projects, English, Jensen, and Menard, SunGrant, $12,000,2.1.2016-7.30.2016
22. Supply Forecast and Analysis (SFA) and Sun Grant Initiative (SGI) Data Management and Analysis, English and He-Lambert, ORNL, $10,000,2.1.2016-1.31.2017
23. Impact of Inland Waterway Improvements on the Transport of Corn and Soybeans, Yu, English, and Menard, USDA – CSREES, $85,145, 4.1.2015-1.31.2015
24. Current Economic Status of Conservation and No-till Cotton Production in the Southeastern United States, J. Larson, R. Roberts, D. Lambert, and B. English, Cotton, Inc., $8,000, January 2015- December 2015.
25. Increasing the Resilience of Agricultural Production in the Tennessee and Cumberland River Basins through More Efficient Water Resource Use, Boyer, C., Clark, C.D., Buschermohle, M, Cui, S., de La Torre Ugarte, D., English, B., Gale, P., Gill, P., Griffith, A. Hathaway, J., Hawkins, S., Kalyanapu, A., Lambert, D., Lambert, L., Leib, B., Nail, G., Papanicolaou, T., Rhinehart, J., Schwartz, J., Steckel, L., Tyler, D., Waldron, B., Walker, F., USDA-NIFA-CAP, 4/2015-3/2020, $4,999,884
26. Current Economic Status of Conservation and No-Till Cotton Production in the Southeastern United States, J. Larson, R. Roberts, D. Lambert, and B. English, Cotton, Inc., $16,000, January 2014- December 2014
27. Current Economic Status of Conservation and No-Till Cotton Production in the Southeastern United States, J. Larson, R. Roberts, D. Lambert, and B. English, Cotton, Inc., $8,000, January 2014- December 2014 Amendment
28. Current Economic Status of Conservation and No-Till Cotton Production in the Southeastern United States, J. Larson, R. Roberts, D. Lambert, and B. English, Cotton, Inc., $8,000, January 2013- December 2013
29. Current Economic Status of Conservation and No-Till Cotton Production in the Southeastern United States, J. Larson, R. Roberts, D. Lambert, and B. English, Cotton, Inc., $25,000, January 2012- December 2012
30. Current State and Future Adoption of Precision Farming Technologies in Tennessee. J. Larson, R. Roberts, and B. English, Cotton Inc., $14,999, January 1, 2015- December 31, 2015
31. Current State and Future Adoption of Precision Farming Technologies in Tennessee. J. Larson, R. Roberts, and B. English, Cotton Inc., $16,000, January 1, 2013- December 31, 2013
32. Current State and Future Adoption of Precision Farming Technologies in Tennessee. J. Larson, B. English, R. Roberts, and M. Velandia, Cotton Inc., $16,000, January 1, 2012- December 31, 2012
33. Current Status and Future Adoption of Precision Farming in Tennessee. J. Larson, B. English, R. Roberts, Cotton Inc., $16,000, January 2011- December 2011
34. Current and Future Adoption of Precision Farming in Tennessee. J. Larson, B. English, R. Roberts, Cotton Inc., $20,056, January 2010- December 2010
35. Current State and Future Adoption of Precision Farming in Tennessee. J. Larson, B. English, R. Roberts, Cotton Inc., $20,500, January 2008- December 2008
36. Current and Future Adoption of Precision Farming in Tennessee. J. Larson, B. English, R. Roberts, Cotton Inc., $20,983, January 2007- December 2007
37. Current State and Future Adoption of Precision Farming in Tennessee. J. Larson, B. English, R. Roberts, Cotton Inc., $13,500, January 2006- December 2006
38. Current Status and Future Adoption of Precision Farming Technologies in Tennessee, J. Larson, R. Roberts, B. English, Cotton Inc., $25,000, January 2005- December 2005
39. Current Status and Future Adoption of Precision Farming Technologies in Tennessee, J. Larson, R. Roberts, B. English, Cotton Inc., $8,132, January 2002- December 2002
40. Renewable Fuel Pathways and Leveling the playing field for feedstocks input for program 9005, English, Jensen, and Yu, USDA, $39,195, 12.1.2015-3.30.2016
41. Analysis of Economic Impacts from an Ocmulgee National Park & Preserve, English and Jensen, National Park Service, $36,953, 2.1.2015-1.31.2016
42. The RFS and the Changes and outlook in the oil market, English, De La Torre Ugarte, Hellwinckel, FTI Consulting, $36,249, 9.1.2015-10.31.2015
43. Effects of Tying Crop Insurance Incentive Levels to Adoption of Conservation Practices, Jensen, Boyer, Lambert, English, Roberts, and Larson, Cotton Inc., $5,000,1.1.2014-12.31.2014
44. NEX - Non exchange AIMAG, English, TN Turfgrass Association, $37,500, 5.30.2014-5.4.2019
45. Using Hydro-Economic Modeling to Optimally Allocate Water in the Humid Southeastern U.S. Water, Clark, Walker, Lambert, Boyer, Hawkins, Lhe, Duncan, and English, AFRI, $659,926, 9.30.2014-9.29.2017
46. Next Generation Logistics Systems for Delivering Optimal Biomass Feedstocks to Biorefining Industries in the Southeastern United States. T. Rials, N. Labbe, T. Young and B. English. Department of Energy. $5,700,000, September 30, 2013- September 29, 2019.
47. Agricultural Sector Analysis in Support of the 2012 Farm Bill and Renewable Energy Policy Analyses. D. De La Torre Ugarte, L. Lambert, C. Hellwinckel, and B. English. USDA- Office of Energy Policy and New Uses. $41,667, September 30, 2012- September 29, 2013.
48. Developing a Cost-Effective Payment System for Forest Carbon Sequestration, Cho, Clark, Lambert, English, Yu, USDA- AFRI, $500,000, 12.1.2013-11.30.2016
49. Support of Resource Assessment Framework for Dependable Feedstock Supply to Produce Advance Biofuels in Hawaii and Western United States (ARS/Navy Project), De La Torre Ugarte and English, USDA-- cooperative Agreement, $50,000, 9.30.2013-12.31.2015
50. Southeast Partnership for Integrated Biomass Supply Systems (Continuation Proposal Grant). T. Rials, J. Bozell, B. English, S. Jackson, N. Labbe, N. Stewart, D. Tyler, T. Young, and M. Windham. USDA, NIFA. $2,925,000, August 2013- July 2014.
51. Socioeconomic Impacts of the North Cumberland Wildlife Management Area and the Emory River Tract Conservation Easement. B. English, K. Jensen, C. Clark, and R. Menard. U.S. Office of Mining, $59,267, 2012.
52. Rural Economic Impacts of Green Energy Production from the Agricultural and Forestry Sectors. D. Lambert, K. Jensen, B. English, T. Yu, R. Menard, C. Clark, M. Bhat (FIU), Agricultural and Food Research Initiative. $349,998, June 1, 2012- May 31, 2015.
53. 2010 IMPLAN National Package: 2-day Workshop with a Developer and the Training DVD. B. English. UTIA-RES-Agricultural Economics. $45,000, February 14, 2012.
54. Analysis of Economic Impacts and Future Directions for the TAEP. K. Jensen and B. English, Tennessee Department of Agriculture, $8,431, 2012
55. RCN-SEES: Sustainable Manufacturing Advances in Research and Technology (SMART) Coordination Network. Project Director: Y. Huang (Wayne State), NSF. Advisory Council: B. English. travel reimbursement.
56. Evaluation of User Perceptions and Experiences and Engine Performance with Cellulosic E-85 Fuel. B. English, Dupont Danisco Cellulosic Ethanol and Genera Energy, LLC, $11,000, 2012.
57. Bioenergy Production and Carbon Sequestration. B. English, D. Tyler, and D. De La Torre Ugarte, USDA, $930,668/$182,620 June 1, 2010- May 31, 2012.
58. The Effects of Occasional Flooding of Tennessee Agricultural Lands: Pickwick Dam Case Study. B. English, J. Larson, and C. Clark. Tennessee Valley Authority, $50,000, October 2011- June 2012.
59. USDA-OPENU-APAC Cooperative Agreement. B. English, D. De La Torre Ugarte, C. Hellwinckel, USDA/OPENU, $50,000, 2011.
60. Building a Biofuels Industry: Southeastern Partnership for Integrated Biomass Supply Systems. T. Rials and B. English, USDA/AFRI, $15,000,000/$750,000 September 2011- August 2015,
61. Cellulosic to Biofuels Market Development: Producers’ Feedstock Production and Consumers’ Willingness to Pay for Cellulosic Ethanol. USDA CREES. K. Jensen, C. Clark, B. English, D. De La Torre Ugarte. January 2010- December 2011. Amount awarded: $324,636
62. Will Small and Mid-Sized Farmers Benefit from the Cellulosic Energy Industrial Complex? USDA: Cooperative State Research, Education and Extension services, NRI. B. English, J. Larson, C. Garland, M. Velandia, R. Roberts, D. Tyler, F. Tegegne, E. Ekanem, S. Singh, and K. Sanford. January 2009- December 2011. Amount awarded: $485,932
63. Economics of Precision Farming Working Group. R. Roberts, B. English, J. Larson, D. Lambert, M. Velandia, S. Larkin, M. Marra, R. Rejesus S. Martin, K. Paxton, C. Wang, E. Segarra, and J. Reeves. Cotton Incorporated, $35,000, January 1, 2011- December 31, 2011.
64. Economics of Precision Farming Working Group. R. Roberts, J. Larson, B. English, D. Lambert, M. Velandia. Cotton Incorporated. $93,379, January 1, 2009- December 31, 2009.
65. Economics of Precision Farming Working Group. R. Roberts, J. Larson, B. English, D. Lambert, M. Velandia. Cotton Incorporated. $24,500, January 1, 2008- December 31, 2008.
66. Economics of Precision Farming Working Group. R. Roberts, J. Larson, B. English, D. Lambert, M. Velandia. Cotton Incorporated, $21,500, January 1, 2007- December 31, 2007.
67. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $14,333, January 1, 2007- December 31, 2007.
68. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $6,500, January 1, 2006- December 31, 2006.
69. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $25,500, January 1, 2006- December 31, 2006.
70. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $47,960, January 1, 2006- December 31, 2006
71. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $10,063, January 1, 2003- December 31, 2003
72. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $19,984, January 1, 2002- December 31, 2002
73. Economics of Precision Farming Working Group. Cotton Incorporated. R. Roberts, J. Larson, and B. English. $4,315, January 1, 2000- December 31, 2000
74. Evaluating the Economics of Incorporating Preprocessing Facilities in Biomass Supply Logistics with an Application in East Tennessee. T. Yu, B. English, S. Cho, and J. Larson. Southeastern SunGrant Initiative, $131,940, January 1, 2010- March 30, 2011.
75. Bio-Refinery Location Model. SunGrant. B. English, D. De La Torre Ugarte, K. Jensen, K. Tiller, D. Lambert. February 2008- June 2011. Amount awarded: $125,000
76. Assessing Water Use and Water Quality Change with Respect to Large-Scale Expansion of Ethanol Feedstock Production in the United States. USDA: Cooperative State Research, Education and Extension services, NRI. B. English and D. De La Torre Ugarte. January 1, 2009- December 31, 2011. Amount awarded: $275,490
77. Providing Solutions to Climate Change through Proposed Goals of 25x25. B. English, D. De La Torre Ugarte and K. Jensen. Energy Foundation. June 2009- October 2010. Amount awarded: $236,066
78. The University of Tennessee’s POLYSYS Forestry Module – Phase 1. D. De La Torre Ugarte, K. Jensen, and B. English. Department of Energy. July 1, 2008- December 31, 2010. Amount awarded: $150,000
79. CERES Switchgrass Variety Evaluation Trial: The University of Tennessee. CERES, Inc. B. English and D. Tyler. June 1, 2008- December 31, 2010. Amount awarded: $51,538
80. Evaluating the Economics of Incorporating Preprocessing Facilities in Biomass Supply Logistics with an Application in East Tennessee. T. Yu, B. English, S. Cho, and J. Larson. Southeastern SunGrant Initiative. January 1, 2010- March 30, 2011. Amount awarded: $131,940
81. Providing Solutions to Climate Change through the Proposed Goals of 25x ’25. Energy Foundation. B. English, D. De La Torre Ugarte, and K. Jensen. July 1, 2009- December 30, 2009. Amount awarded: $216,000
82. SDSU Carbon Resource Assessment. B. English, D. Tyler, and D. De La Torre Ugarte. SunGrant. August 1, 2008- July 31, 2011. Amount awarded: $66,700
83. Co-Cellulosic to Biofuels Market Development: Producers’ Feedstock Production and Consumers’ Willingness to Pay for Cellulosic Ethanol. USDA, CREES. K. Jensen, C. Clark, B. English, D. De La Torre Ugarte. January 1, 2008- December 31, 2009. Amount awarded: $228,459
84. Economic Benefits to the Agricultural Community of Renewable Energy Production. National Commission on Energy Policy. D. De La Torre Ugarte and B. English. November 1, 2008- September 30, 2009. Amount awarded: $100,000
85. Estimating and Integrating the Forestry Sector Contribution to the 25x25 Vision. Department of Energy, ORNL and SunGrant. D. De La Torre Ugarte, B. English and K. Jensen. September 1, 2008- May 30, 2009. Amount awarded: $268,000
86. Projected Economic Impacts of the Tennessee Agricultural Enhancement Program. Tennessee Department of Agriculture. K. Jensen and B. English. March 1, 2008- May 30, 2008. Amount awarded: $6,912
87. CERES Switchgrass Variety Evaluation Trial: University of Tennessee. Ceres, Inc. D. Tyler and B. English. May 1, 2008- December 31, 2010. Amount awarded: $51,538
88. Carbon Emission and Sequestration in Land Use Changes Caused by Switchgrass Planting: ORNL. ORNL. B. English and D. Tyler. May 31, 2008- May 1, 2011. Amount awarded: $30,000
89. Economic Impact of OHV and Fishing in the Nantahala National Forest and Upper Tellico River. U.S. Forest Service through Contract with Forestry, Wildlife and Fisheries Department and Mark Fly. R. Menard and B. English. May 7, 2008- June 30, 2008. Amount awarded: $6,000
90. The Development of Biomass Supply Meta Functions. On-Location, Inc.- Energy Information Agency. D. De La Torre Ugarte and B. English. July 2008-June 2009. Amount awarded: $50,000
91. Survey Analysis and Feasibility Study of Biomass and Waste Energy Alternatives for the Tennessee Poultry Industry. Tennessee Department of Agriculture. E. Bazen, B. English, K. Jensen, and R. Roberts. August 1, 2008- May 31, 2009. Amount awarded: $100,000
92. The University of Tennessee POLYSYS Forestry Module- Phase 1: Statement of Work. Department of Energy. D. De La Torre Ugarte, B. English and K. Jensen. September 1, 2008- May 30, 2009. Amount awarded: $150,000
93. Development of a Biomass Bio-Refinery Location Model. SunGrant. B. English and D. De La Torre Ugarte. September 17, 2008-May 30, 2009. Amount awarded: $125,000
94. Carbon Sequestration in Terrestrial Ecosystems (C-Site) with Analysis of the Switchgrass Stands. D. Tyler and B. English. Department of Energy. October 1, 2007- September 30, 2011. Amount awarded: $91,500
95. Carbon Sequestration in Terrestrial Ecosystems (C-Site) with Analysis of the Switchgrass Stands. B. English and D. Tyler. Oak Ridge National Lab. May 2007- September 2011. Amount awarded: $137,990
96. Economic Evaluation of Large Rectangular vs Round Balers and their Storage Requirements: Meeting a Critical Alternative Fuel Research Need. Tennessee Department of Conservation and Environment. B. English. December 1, 2007- June 30, 2008. Amount awarded: $91,400
97. Biomass Proposal. Shell Hydrogen. B. English, K. Jensen, D. De La Torre Ugarte and R. Menard. May 1, 2007- June 30, 2007. Amount awarded: $58,000
98. Potential for Expansion of Ethanol and Biodiesel Industries. National Commission on Energy Policy. PIs: Burt English and D. De La Torre Ugarte, K. Jensen. July 1,2006- December 31, 2006. Amount awarded: $55,000.00
99. Biomass Supply Functions. On-Location, Inc. – Energy Information Agency. D. De La Torre Ugarte and B. English. August 15, 2006- February 28, 2007. Amount awarded: $43,000
100. Economic and Environmental Impacts on Our Nation’s Working Lands as a Results of Renewable Energy Production. Natural Resources Conservation Service. D. De La Torre Ugarte, B. English, and J. Larson. September 12, 2006 - April 30, 2007. Amount awarded: $42,000
101. Analysis of Economic Feasibility of Biodiesel Production in West Tennessee: An Update of Parts One and Two. USDA- Rural Development. R. Menard, K. Jensen and B. English. October 2006- March 2007. Amount awarded: $6,894
102. Economic Analysis of the Conditions for which Farmers will Supply Biomass Feedstocks for Energy Production. MERC, Iowa State University. J. Larson and B. English. October 2006- September 2007. Amount awarded: $29,371
103. Resource Requirements for Startup and Operation of Tennessee Veterinary Businesses and Impacts on the State’s Economy. The University of Tennessee, College of Veterinary Medicine. K. Jensen and B. English. September 2006- February 2007. Amount awarded: $57,408
104. Economic Impacts of TVA Meeting a Renewable Energy Portfolio Standard. Energy, Environment, and Water Research. B. English and K. Jensen. November 1, 2005- April 30, 2006. Amount awarded: $21,000
105. An Economic Analysis of Agricultural Scenarios to Provide 25 Percent of America’s Energy Needs with Renewable Energy by the Year 2025. Ag Energy Work Group. B. English and D. De La Torre Ugarte. November 1, 2005- June 30, 2006. Amount awarded: $137,000
106. UT Review of EERE Biomass Supply Curves. Department of Energy. B. English and D. De La Torre Ugarte. November1, 2005- February 28, 2006. Amount awarded: $34,000
107. Agricultural Bio-Fueled Generation of Electricity and Development of Durable and Efficient NOX Reduction: McMinnville Biodiesel Project. Department of Energy. R. Boyd and B. English. October 2004- December 2008. Amount awarded: $982,000
108. UT Switchgrass Demonstration Project. U.S. House of Representatives: U.S. Congress. B. English, D. Ray, D. De La Torre Ugarte, R. Mote. March 2004- December 2008, Amount awarded: $982,000
109. Economic Feasibility of a Kenaf Industry in Tennessee. Tennessee Department of Agriculture. B. English, R. Roberts, E. Bazen. June 2004- January 2005. Amount awarded: $5,000
110. Feasibility of a Kenaf Industry in Tennessee. USDA- Rural Development. B. English, R. Roberts, and E. Bazen. June 2004- March 2005. Amount awarded: $15,000
111. Sustainable Agriculture Training Plan of Work 2003-2004. Southern Region SARE. C. Garland and B. English. May 1, 2003-April 30, 2005. Amount awarded: $20,000
112. Impact of Alternative Income Opportunities on the Environment in Rural Areas of Tennessee. Tennessee Valley Region Association of Demonstration Farm Families. C. Garland and B. English. 2003, Amount awarded: $1,250
113. Risks Associated with Alternative Underserved Horticultural Crops. Risk Management Agency. B. English and C. Garland. October 1, 2003-September 30, 2004. Amount awarded: $68,000
114. An Economic Evaluation of Alternative At-Planting Treatments of In-Furrow Granules and Sprays and Seed Treatments for Early-Season Insect Control in Cotton, Cotton Inc., Roberts, R.K., J.A., Larson, B.C. English, G.L. Lentz.,Jan. 1 - Dec 31, 2002, $16,500
115. TDA-Z0200588300-Biodiesel Prod-English, Tennessee Department of Agriculture, English and Jensen, 04/01/2002 to 06/30/2002, $5,000
116. TN Farm Bureau-Biodiesel-English, Farm Bureau, English and Jensen, 05/20/2002 to 06/30/2002, $5,000
117. TN Soybean 02-23-P English 2002,Soybean Promotion Board, English and Jensen, 05/20/2002 to 12/31/2002, $20,000
118. TVA-99998950 Rel 30-Biodiesel-English,TVA,English and Jensen, 05/15/2002 to 11/15/2003, $38,419
119. Strengthening a Collaborative Proposal on Small and Medium-Sized Farms,USDA IFAF Bridge Grant, Tegegne, F., S. Singh, E. Ekanem, S. Muhammad, D. Chembezi, D. Alipoe, M. Simon, G.Ejimakor, B. English, and R. Roberts, Oct. 1, 2001-Sept. 30, 2002, $100,000
120. Economics of Using Corn Stalks in Ethanol, ORNL, English, B.C., Sept., 2001-Sept. 2002, $74,541
121. Improving Precision Farming Federally-Funded Grant Proposal Writing Skills Through On-The-Job Training, B. Ray Thompson Faculty Development Award, Roberts, R.K., J.A. Larson, and B.C. English, Aug. 1 - Dec 31, 2001, $6,400
122. Economic Feasibility of Using Wood Waste for Co-generation and Soil Amendment and Mulch by the Tennessee/Nursery Industry, WMREI, Park, Bill, Burton C. English, and Kim Jensen, Jan – Dec., 2000, $25,000
123. Relaxing the Jones Act: Cost and Dependability of Moving Grain to the Southeast, USDA – NRI, Ray, Daryll and Burton C. English, July 1999 – Dec. 2000, $100,000
124. UTK Professional Development Award, UTK, K. Jensen and B. English, July 1999-June 2000, $3,000
125. Economics of Using Corn Stalks in the Production of Ethanol, ORNL, B. English and K. Jensen, 1997-1999, $80,000
126. SPARKS Co. Analysis of Agribusiness Opportunities, TN Dept. of Ag., Jensen and B. English, 1997-1999, $50,000
127. Economics of Harvest Aids for Beltwide Study, Cotton, Inc. Larson, Roberts, and English, Jan 1, 1998 - Dec 31, 1998, $12,363
128. Economic Tradeoffs of Boll Weivil Control in Tennessee, Cotton, Inc., Larson, Roberts, and English, Jan 1, 1998- March 30,1998, $10,850
129. Economic Tradeoffs of Boll Weivil Control in Tennessee, Cotton, Inc., Larson, Roberts, and English, Jan 1, 1997- March 30,1997, $31,680
130. Analysis of Agronomic and Economic Comparison of Round-up to Alternative Strategies for Johnsongrass Control, Soybean Promotion Board, Roberts, B. Hayes, & B. English Co-PI, 1997-1998, $12,500
131. Assessment of Biodiesel Production in the Southeast, TVA, B. English Co-PI, 1997-1998, $120,000
132. Economic Evaluation of Midwest Biomass Resource, ORNL, B. English, 1996-1998, $289,992
133. Reducing Environmental Impacts of Production Agriculture, ORNL, B. English, 1996-1997, $54,891
134. An Integrated Approach to the Agribusiness case Study Method, USDA, Jensen, K., B. English, G. Pompelli, 1995-1996, $475, 992.
135. Economic Base Impact Analysis of Using Biomass in the TVA Region, ORNL, B. English, Sept. 1993- Nov. 1993, $9,855
136. Conservation Efforts and Their Impacts on Rural Regions, USDA-NRCS, B. English, D. Ray, & P. Seigel, May, 1993- Sept. 30, 1997, $119,949.
137. Long Term farm Survivability and Income Effects on Ag. Policies Designed to Protect Soil and Water resources, USDA-NRCS, B. English Co-Leader, 1993-1995 $245,326
138. Deriving Macro Impacts of Sustainable Agriculture from ACE-Supported, Farm and regional Level Research, USDA-NRCS, D. Ray, D. Ugarte, & B. English, 1992-1994, $43,725
139. Deriving Macro Impacts of Sustainable Agriculture from ACE-Supported, Farm and regional Level Research, USDA-NRCS, D. Ray, D. Ugarte, & B. English, 1992-1994, $99,988
140. Sustainable Agriculture in the Southeast: Farm-System and Regional Socioeconomic Impacts Under Alternative Production, USDA-ERS & EPA, D. Ray, Larry Johnson, and B. English Co-Leader, 1993-1995, $177,586
141. Energy Production from Agriculture, B. English and D. Ray, June 1992 – Sept. 1997, $260,000
142. Biomass Resource Assessment Model, DOE, B. English, May 1992- Sept 1993, $30,011
143. Estimation of the Rate of Development and Adoption of Technology for the Third RCA Appraisal, B. English, Sept 1992 – Sept 30, 1996, $200,000
144. Development of a Biomass for Energy Sub-model for the national Energy Modelling System, ORNL, B. English, May 1, 1992 – Feb. 1, 1993, $31,000
145. An Evaluation of the Biomass Potential at Three Midwest Sites, ORNL, B. English, April 1, 1992- March 30, 1993, $61,685
146. An Evaluation of the Herbaceous Biomass Potential in the Eastern United States, ORNL, B. English, 5/1/1991-6/30/1993, $213,364
147. An Evaluation of the Potential for Supplying Biomass for Direct Combustion at the Wattsbar, TN TVA Power Plant Facility, ORNL, B. English, 9/1/1991-5/30/1992, $16,500
148. Impacts on Small Limited resource Farmers of Surface and Groundwater Quality Legislation, Soil Conservation Service, B. English, 1/1/1990 – 12/31/1992, $184,451
149. An Economic and Technical Analysis of Selected Issues Related to Energy Crop Production, Department of Energy, B. English and M. Bhat, 11/1/1990-9/30/1993, $94,350
150. Development of Regional Biomass Cost of Production Estimates, DOE – Iowa State, B. English, May 1, 1990-August 30, 1990, $9,000
151. Farm Level Impacts of Environmental and Agricultural Policies for the U.S., EPA – Iowa State University, B. English, 5/1/89-5/1/92, $112,750
152. Agriculture Contributions to the Concentration of Greenhouse Gasses: A literature Review, ORNL, B. English, R. Huffaker, B. Goodman, Oct 1988-Sept 1989, $16,000
153. An Evaluation of Grain and/or Biomass Oriented Cropping Systems: An Economic and Environmental Comparison, ORNL, B. English, 8/15/1988 – 5/30/1991. $78,480
154. Development of a national Economic Sedimentation Model, Soil Conservation Service – Iowa State University, B. English, 9/17/87 - 9/30/88, $15,000
155. Evaluation of the 1985 Food Security Act’s Conservation Compliance Rules, Soil Conservation Service, 1987-1989, $23,000
156. Development of the Agricultural Component of the Comprehensive Economic Environmental Pesticide Evaluation Systems (CEEPES), EPA- Iowa State University, B. English, 12/4/1986-11/30/1988, $51,500

**Theses and Dissertations Advised**

1. Alexander, Robert. 1991. Optimizing Water Quality Benefits in natural Resource Policy: A Multi-Level Dynamic Analysis. (Major Professor - PhD).
2. Avila, Gerry. 2006. Tennessee’s Kenaf Market Potential as a Feedstock in the Production of Paper. (Major Professor - MS).
3. Bowling, Rebecca. 1994. An Economic and Environmental Evaluation of the Cost of Conservation Compliance on a Beaver Creek Watershed Representative Farm. (Major Professor – MS)

# Bullen, Stephen G. 1993. An Economic and Environmental Analysis of Potential Water Quality Regulations on Dairy Farms in the Big Limestone Watershed. (Major Professor – MS)

1. Chavez, Jorge. 1999. Economic Impacts on Tennessee’s State and Regional Gross Product of Three Value Added Forestry Development Strategies: An Integrated linear Programming Input-Output Approach. (Major Professor - PhD).
2. Cole, Gary V. 1991. An Economic Optimal control Evaluation of Achieving/maintaining Groundwater Quality Contaminated from Nonpoint Agricultural Sources. (Major Professor - PhD).
3. Cole, Tamara. 2002. Cost and Dependability of Moving Grain to the Southeast. (Co-Major Professor - MS)
4. Douglas, Caroline. 1993. Evaluation of factors that Influence Participation in a Federal Tree Planting Program. (Major Professor – MS)
5. Ellis, Pamela. 2006. Evaluation of the Factors that Influence Farmers to Adopt New Crops and the Effect of Farmer Characteristics on Choice of Producing Switchgrass. (Major Professor - MS).
6. Gao, Qi. 2004. Relationship between No Tillage Production Practice and Herbicide-Tolerant Crops and Factors Affecting No Tillage Adoption. (Major Professor - MS).
7. Grbovic, Mladen. 2010. Export Potential of U.S. - Produced Switchgrass and Wood Pellets for the EU Market. (Major Professor - MS).
8. Hellwinckel, Chad. 1996. Closing the Loop: Accouting for Development’s Hidden Environmental Costs. (Major Professor – MS)
9. Hewitt, William. 1997. Economic Feasibility of Switchgrass Production and Utilization in Tennessee. (Major Professor - PhD)
10. Humphreys, Elizabeth. 2012. Factors Influencing the Feasibility of Switchgrass Feedstocks: From a Biorefinery’s Perspective. (Major Professor - MS).
11. Mahajanashetti, Shivakumar. 1999. Precision Farming: An Economic and Environmental Analysis of Within-Field Variability. (Major Professor - PhD).
12. Markel, Evan. 2017. Analysis of a Market for Tradable Credits, Policy Uncertainty Effects on Investment Decisions, and the Potential to Supply a Renewable Aviation Fuel Industry with an Experimental Industrial Oilseed. (Major Professor – PhD).
13. Marra, Adrienne. 2010. Classification of Ethanol consumers with Implicatins for Marketing: A Cluster Approach. (Major Professor - MS).
14. Owen, Stephanie. 2016. Estimating the Economic Value of Water for Agriculture and Other Industries in Tennessee. (Major Professor – MS).
15. Pasaribu, Katryn, 2018. Essay in Environmental Spillover of US Crop Insurance on Surface Water, Agricultural and Geographical Effects On Surface Water Impairment, and A Hypothetical Irrigation Game in Madison Co., TN. (Major Professor - PhD).
16. Pradhan, Shreekar. 2011. Analyzing Effects on Biofuels While Integrating the Agricultural Sector to the Energy Market: Linking POLYSYS and MARKAL. (Co-Major Professor - MS).
17. Rahman, Umama, 2018. Potential of Biomass in Developing Renewable Energy: Wood Pellet Trade from U.S and Development of Aviation Fuel from Oilseed Crops. (Major Professor - MS).
18. Robertson, Alan, 2020. Biomass Potential in Sustainable Aviation Fuel Development: Switchgrass Production Optimization and Carinata Oilseed Enterprise Viability Analysis
19. Suarez, Otto, 1998. Economic Effects of the Boll Weevil Eradication Program on the Western Tennessee Economy. (Major Professor - PhD).
20. Totty, Benjamin. 2013. Selected Costs and Benefits of Protecting Vital Wildlife Habitats While Producing Biofuel. (Major Professor - MS).
21. Tu, Wen. 2011. Economic and Environmental Sustainability of Converting Switchgrass to Energy in the Southeast. (Major Professor - PhD).
22. Velasquez, Jose. 1997. Conservation reserve Program Abandonment Impacts under General Equilibrium Conditions. (Major Professor - PhD).
23. Weatherford, J. 1992. Structural Transformation in Developing Monsoon Economies. (Major Professor - PhD).