

Current Research Projects Related to the Growing the Economy Grand Challenge

Long Title	Researcher	Primary Unit
Crop Insurance Risk Management Education for Underserved Populations in Texas	Peterson, Ricky	Family Development & Resource Management
Horticultural Technician Certification Program	Fry, Jayla; Whittlesey, Lisa	Horticultural Sciences
Farm Level Policy Analyses of Implementation Options for the 2013 Farm Bill	Richardson, James	Agricultural Economics
Identifying Superior Pierce's Disease Resistant Grape Varieties and Rootstocks	Kamas, James	Horticultural Sciences
Measuring Economic Efficiency in the Floriculture Production Value Chain	Hall, Charles	Horticultural Sciences
RIDGE Center for Rural Studies: Health, Economic Instability, and Participation in the Supplemental Nutrition Assistance Program	Capps, Oral; Ishdorj, Ariun	Agricultural Economics
Application of the Swat Model To Determine the Environmental Sustainability of Feedstock Product of Biofuels In Hawaii	Srinivasan, Raghavan	Temple Center
Determining the Influence of Sandcapping Depth and Texture on Bermudagrass Fairway Performance, Irrigation Requirements, and Drought Resistance	McInnes, Kevin; Thomas, James; Wherley, Benjamin	Soil & Crop Sciences
Fundamental and Applied Development of AIP Technology	Huang, Yongheng	Biological And Agricultural Engineering
Impacts of Oil and Gas Interests on Private Lands Conservation in Environmentally Sensitive Coastal Areas of Texas	Kreuter, Urs	Ecosystem Science And Management
Robust Visnir Models to Measure TPH in Petroleum Oil Contaminated Soils	Ge, Yufeng	Biological And Agricultural Engineering
The Effect of Coir as a Surface-Applied Topdress to Improve St. Augustine Grass Grown In	Wherley, Benjamin	Soil & Crop Sciences
Improvement of Spatial Data Management	Bonaiti, Gabriele	Biological And Agricultural Engineering
A Water and Risk Management Tool for Sustainable Production of Bioenergy Feedstocks	Dasilva, Jorge; Enciso, Juan; Jeong, Jaehak; Jifon, John; Monge, Juan; Osorio Leyton, Javier; Rajan, Nithya; Ribera, L; Taylor, Robin A;	Weslaco Center
Biomass Productivity of Algae Strains in the Texas Upper Gulf Coast	Wilson, Lloyd	Beaumont Center
Biomods: Biomass Optimized Delivery System	Searcy, Stephen	Biological And Agricultural Engineering
Business Leadership Development for Agribusiness Professionals Short-Course in Agribusiness Administration	Salin, Victoria	Agricultural Economics
Decision Support Software: Cotton Transportation Resource Management.	McGee, Russell; Parnell, Calvin	Biological And Agricultural Engineering
Development of Bioenergy Sorghum	Mullet, John	Biochemistry & Biophysics
Development of seeded Zoysiagrass cultivars with improved turf quality and high seed yields	Chandra, Ambika	Dallas Center

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Enhancing Public Space in Downtown Waco	Shafer, C	Recreation, Park & Tourism
Estimating Regional Truck Costs of Transporting Grains and Soybeans by Truck in the United States	Rosson, Claude	Agricultural Economics
Fescue Breeding Program	Malinowski, Dariusz	Vernon Center
Fluidized Bed Energy Production Using Cotton Gin Trash	McGee, Russell; Parnell, Calvin	Biological And Agricultural Engineering
Gene Discovery for Delayed Senescence in Bioenergy Crops for the Improvement of Total Biomass Production	Rushton, Paul	Dallas Center
Great Lakes Bioenergy Research Center	Mullet, John; Rooney, Lloyd	Biochemistry & Biophysics
Implementation Plan (I-Plan) Development for the Total Maximum Daily Loads (TMDLs) for Bacteria in the Upper San Antonio River Watershed	Beran, Larry	Stephenville
Pyramiding genes and alleles for improving energy cane biomass yield	Yu, Qingyi	Dallas Center
Regional Algal Feedstock Testbed Partnership	Moore, Jaroy	Lubbock Center
Regional Biomass Feedstock Partnership - Herbaceous Bioenergy Crop Field Trials- Energycane	Schnell, Ronnie; Wilson, Lloyd	Beaumont Center
Rosbreed: Enabling Marker Assisted Breeding In Rosaceae	Byrne, David	Tamu-Horticultural Sciences
Rwanda Pyrethrum Program (Pyramid II)	Cleboski, Linda	Borlaug Institute For Int'l Agriculture
Synthetic Crop for Direct Drop In Biofuel Production Through Photorespiration Intermediates and Engineering Terpenoid Pathways	Yuan, Shuhua	Plant Pathology & Microbiology
U.S. Transportation Policy Modeling and Analysis	McCarl, Bruce	Agricultural Economics
USAID-Uganda Environmental Management for the Oil Sector	Boadu, Frederick; Lacher, Thomas; Price, Edwin; Reed, Teri; Schwab, Arthur; Stronza, Amanda	Agricultural Economics
Using a Large Scale Algae Production Data Set to Empirically Estimate Key Algae Cultivation Variables	Richardson, James	Agricultural Economics
Wool Education and Research	Walker, John	San Angelo
Development of Safflower as a New Biomass Energy Crop for the Lower Great Plains of North America	Trostle, Calvin	Soil And Crop Sciences
Economic Impact Analysis of of Texas A&M Engineering Extension on The State of Texas.	Dudensing, Rebekka	Agricultural Economics
Integrating Marketing Revenues Insurance Marketing and New Farm Program	Robinson, John	Agricultural Economics
Master Marketer Program	Bevers, Stanley; Robinson, John; Welch, James; Williams, Emmy	Agricultural Economics

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Maximizing Income Under the New Farm Program	Waller, Mark	Agricultural Economics
Stronger Economies Together--Targeted Rural Economic Development Strategies	Cross, Gary; Dudensing, Rebekka; Walker, Jamie; Woosnam, Kyle	Agricultural Economics
Support of REPI Program in Sustaining Military Readiness	Lopez, Roel	Institute Renewable & Natural Resources
Tax Practitioner Workshops Program and Continuing Education In Extension Agricultural Economics	Hayashi, Kanako	Agricultural Economics
Growing Healthy Communities	Anding, Jenna	Human Nutrition
2013-2014 Career and Technical Education - Statewide Leadership Projects	Edney, Kirk; Elliot, John; Harlin, Julie; Moore, Lori; Rayfield, John	Ag Leadership, Education & Communication
GTF Scholars Leadership Development Conference 2014	Williams, Jennifer	Ag Leadership, Education & Communication
Career and Technical Special Populations Training Center	Mahadevan, Lakshmi; Peterson, Ricky	Family Development & Resource Management
Advanced Plant & Soil Sciences	Elliot, John	Ag Leadership, Education & Communication
Advancing Lines, Hybrids and QTL for Yield and Adaptation towards Commercialization	Murray, Seth; Pekar, Jacob; Xu, Wenwei	Soil & Crop Sciences
Evaluation of Six Glandless Cottonseed Meal Samples in the Laboratory, for suitability as an Aquaculture Feed Ingredient and Digestibility Determination of these samples	Samocha, Tzachi	Corpus Christi Center
Food Protection Rapid Response Team and Program Infrastructure Improvement Prototype	Herrman, Timothy	Office Of The State Chemist
Functional and Sequence Analysis of Fiber Development in Allotroplid Cotton	Stelly, David	Soil & Crop Sciences
Harmonized Support for Agriculture Development (HSAD) Project in Iraq	Rawendoozi, Maad; Smith, Roland	Borlaug Institute For Int'l Agriculture
High-throughput SNP markers: SNP Chip	Stelly, David	Soil & Crop Sciences
Improved Sugarcane Varieties Via Biotechnology	Mirkov, Theodore	Weslaco Center
Improving Fiber Elongation of U. S. Germplasm Cotton Fiber Quality	Dever, Jane	Lubbock Center
NIFA USDA National Plant Diagnostic Network for Food and Agriculture Defense Initiative GDPN Network	Rush, Charles	Amarillo Center
Occurrence, Distribution, Damage Potential and Management of the Sorghum Sugarcane Aphid in Texas	Brewer, Michael; Way, Michael	Corpus Christi Center
Pasture, Rangeland, and Forage Vegetation Index Program of Insurance-Pilot	Angerer, Jay	Temple Center
Phenotyping and Genotyping of RIL Populations for Gene Discovery and Marker Development	Burow, Mark	Lubbock Center
Postharvest Training Materials for Smallholder Producers of Horticultural Crops That Support Transitions to Commercialization	Cisneros-Zevallos, Luis	Horticultural Sciences

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Revitalizing the Central American Coffee Sector after the Rust Crisis of 2012 Through applied Research and Development	Lombardini, Leonardo; Schilling, Timothy	Horticultural Sciences
Seed -to-Harvest Operations Manual & Training Program for Indoor BioFloc-Dominated (BFD) Production of L. vannamei, the Pacific White Shrimp	Samocha, Tzachi	Corpus Christi Center
Sugar Beet and Seed Priming	Rush, Charles	Amarillo Center
Sugarcane Variety Improvement Program: Sugarcane Breeding plus Bioreactors	Dasilva, Jorge	Weslaco Center
The use of aquaculture effluents in spray culture for the production of high protein macroalgae for shrimp aqua-feeds	Samocha, Tzachi	Corpus Christi Center
Use and Environmental Stability of QTLs and TL-assisted Selection for Fiber Quality in Upland Cotton	Smith, C	Soil & Crop Sciences
Assessing Viticulture Production Practices for Robotic Technology Development	Dudensing, Rebekka; Hellman, Edward; McCorkle, Dean	Agricultural Economics
Current Economic Status Of Conservation And No-Till Cotton Production In The Southeastern United States	Hogan, Robert; Johnson, Jason	Agricultural Economics
Developing an iPad Application to Assist Cotton Producers in Making Crop Insurance Decisions	Bennett, Blake	Agricultural Economics
Evaluating More Efficient Methods of Cotton Warehousing	Robinson, John	Agricultural Economics
Evaluation of New Technology and Production Practices for the Texas Blacklands	Morgan, Gaylon	Soil And Crop Sciences
Evaluation of New Technology and Production Practices for the Texas Coastal Plains	Morgan, Gaylon	Soil And Crop Sciences
Evaluation of New Technology and Production Practices for the Texas Coastal Plains	Welch, James	Agricultural Economics
High Plains Cotton Profitability Project	Smith, Jackie; Yates, James	Agricultural Economics
Introducing Alternative Crops Inot Traditional Cotton-Grain Farming To Aid Transition To Freedom To Farm Agriculture	Bender, David	Agrilife Extension Service
Livestock Forage and Crop Risk Management Education and Analysis Tools	Waller, Mark	Agricultural Economics
Seed-to-Harvest Operations Manual & Training Program for Indoor BioFloc-Dominated (BFD) Production of L. vannamei, the Pacific White Shrimp	Jacob, John	Recreation, Park & Tourism Sci.
Strengthening Extension and Advisory Services in the Republic of Georgia (SEAS)	Smith, Roland	Borlaug Institute For Int'l Agriculture
New Mexico Alert Program - Syndromic Surveillance Program in Texas	Hairgrove, Thomas	Animal Science
Identification of Plant Nematodes and Pathogens of Regulatory Concern	Ong, Kevin	Plant Pathology And Microbiology

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iSchool Pest Manager - Website, App and Interface	Hurley, Janet	Entomology
Development of Specific Monoclonal Antibodies for Quantification of Antigen and Development of Antigen-Quantification Elisa for	Berghman, Luc	Poultry Science
Development of Guidance To Ensure A Risk-Informed Planning Process and Appropriate Decision Making for Use By SLTT	Beckham, Tammy	Institute For Infectious Animal Diseases
Enhanced Passive Surveillance (EPS) Pilot Project	Beckham, Tammy	Institute For Infectious Animal Diseases
Toward Large-Scale Enhanced Passive Surveillance	Beckham, Tammy	Institute For Infectious Animal Diseases
LABEX US – (Biodiversity: New Products and Bioactive Compounds) 2013 Annual Work Plan FY2013)	Cisneros-Zevallos, Luis	Horticultural Sciences
Structure-guided drug discovery for tuberculosis and malaria	Sacchettini, James	Biochemistry & Biophysics
A Scalar Approach To Quail Populations and Environmental Constraints In the Rolling Plains of Texas: A Continuation With	Peterson, Markus	Wildlife & Fisheries Science
Collaborative Research: The Influence of Low-Carbon Energy Technology Scientists and Engineers on the Composition of Energy Policy	Peterson, Tarla	Institute Of Renewable Natural Resources
Conservation Strategies for the Protection & Propagation of the Federally Endangered Orchid, Navasota Ladies Tresses	Smeins, Fred	Ecosystem Science And Management
Cooperative Forest Genomics - Enhancing and Conserving Tree Populations for a Changing Climate	Byram, Thomas; Islam, Md; Loopstra, Carol	Ecosystem Science And Management
Evaluation AND/OR Assessment for Turfgrass	Chandra, Ambika	Dallas Center
Improving Water Productivity and New Water Management Technologies To Sustain Rural Economies - TAMU	Lopez, Roel	Texas Water Resources Institute
Reducing the Environmental Impact of Gas Shale Development: Advanced Analytical Methods for Air and Stray Gas Emissions and Produced Brine Characterization	Stuver, Susan	Texas Water Resources Institute
Low Impact Development in Fort Worth Service Center	Jaber, Fouad	Biological And Agricultural Engineering
Online Resource Exchange (ORE) Website Development	Lopez, Roel	Institute Renewable & Natural Resources
Preservation of Navasota Ladies Tresses	Hays, Kenneth	Institute Renewable & Natural Resources