TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Ken Mix Title: Program Faculty

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2010	Texas State University	Aquatic Resources	A Multi-Dimensional Analysis of the Upper Rio Grande-San Luis Valley Social-Ecological System
MS	2004	Texas A&M Univ Kingsville	Range and Wildlife Management	The Effects of Summer Prescribed Fire on Vegetation, Invertebrate and Avian Communities
BS	1999	Ball State University	Natural Resources and Environmental Management and Protection	

C. University Experience

Position	*University*	*Comments*	*Dates*
Associate Professor, Agriculture	Texas State University. San Marcos, TX, United States		August 2016 - Present
Assistant Professor, Agriculture	Texas State University., TX		August 2011 - May 2016
Lecturer, Agriculture	Texas State University., TX		July 2009 - July 2010
Adjunct Lecturer, Biology	Palo Alto Community		June 2007 - August 2007

	College. San Antonio, TX	
Lecturer, Biology - Entomology	Texas State University., TX	January 2005 - June 2007
Graduate Teaching Assistant, Biology	Texas State University., TX	May 2003 - May 2007
Graduate Teaching Assistant, Biology	Ball State University., IN	August 2000 - December 2000

D. Relevant Professional Experience

Position	*Entity*	*Comments*	*Dates*
Graduate Teaching Assistant	Texas State University, San Marcos, TX		2003 - 2009
Graduate Teaching Assistant	Ball State University, Muncie, IN		2000

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Favorite Professor, Alpha Chi, Alfred H. Nolle Chapter.
January 1, 2016 - December 1, 2016
January 1, 2011 - December 1, 2011

Award / Honor Recipient: Presidential Award for Teaching Excellence, College of Applied Arts:
January 1, 2015 - December 1, 2015

B. Courses Taught:

Texas State University:

AG 2313 - AGRONOMIC CROPS

AG 2379 - GEN HORT

AG 3308 - ORGANIC GARDENING

AG 3321 - RANGE MGT

AG 3329 - ECONOMIC ENTOMOLOG

AG 3329 - ECONOMIC ENTOMOLOGY

AG 3426 - SOIL SCIENCE I

AG 3427 - SOIL FERT, HEALTH, REGEN

AG 3427 - SOIL SCIENCE II

AG 3429 - INTEGRATED PEST MANAGEMENT

AG 4185 - CUR PRO TECH AG

AG 4185 - INDEPENDENT STUDY

AG 4302 - FRUIT VEG CROP PRO

AG 4310 - AG INTERNSHIP

AG 5100 - PROFESSIONAL DEVELOPMENT

AG 5101 - RESEARCH EXPERIENCE

AG 5199B - THESIS

AG 5299B - THESIS

AG 5310 - RESEARCH METHODS

AG 5370 - PROB TECH AG

AG 5370 - SPEC PROB TECH AG

AG 5398 - PROFESSIONAL PAPER

AG 5399A - THESIS

AG 5399B - THESIS

AG 5426 - SOIL HEALTH AND DEVELOP

AG 5999B - THESIS

AGED 5199B - THESIS

AGED 5314 - PROB TCH VOC AG

AGED 5314 - SPEC PROB AGED

AGED 5399A - THESIS

AGED 5399B - THESIS

IDS 5198 - INDEP INTER RES

SUST 5199B - THESIS

SUST 5399A - THESIS

SUST 5399B - THESIS

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, Master's Thesis, "THE EFFECT OF JOHNSON- SU COMPOST TEA AND LIQUID WHEY ON GERMINATION, SHOOT, ROOT, AND SOIL CHARACTERISTICS IN TOMATO AND CORN USING CONVENTIONAL AND WILD SOIL", Status: Proposal. (January 2025 - Present). Agricultural Sciences, Texas State University.
Student(s): Sahara Panta, Graduate, Master's.

Supervisor / Chair, Master's Thesis, "A new periodic table of cover crops", Status: Proposal. (September 2024 - Present). Agricultural Sciences, Texas State University.
Student(s): Ramesh Giri, Graduate, Master's.

Supervisor / Chair, Master's Thesis, "The impact of temperature on artificial roost selection by Brazilian Free-tail and Evening bats", Status: Proposal. (January 2024 - Present). Agricultural Sciences, Texas State University.
Student(s): Canyon Tillmon, Graduate, Master's.

Member, Master's Thesis, "Evaluating the Acceptance and Feasibility of Using Biosolids as an Alternative Fertilizer for Bahiagrass", Status: Proposal. (August 2022 - Present). Agricultural Sciences, Texas State University.
Student(s): Ty Bowman, Graduate, Master's of Science in Integrated Agricultural Sciences.

Supervisor / Chair, Master's Thesis, "VARIABILITY OF DIVERSE RICE GERMPLASM FOR PANICLE ARCHITECTURE", Status: Proposal. (January 17, 2022 - Present). Agricultural Sciences, Texas State University.
Student(s): Priyanka Uppalanchi, Graduate, Master's Degree in Integrated Agricultural Sciences.

Member, Master's Thesis, "Forage Yield in Response to Varying Defoliation Frequencies in the Texas Hill Country", Status: In Progress. (August 2017 - Present). Biology, Texas State University.
Student(s): Kayle Sustaita, Graduate, Master's.

Member, Master's Thesis, "SCREENING OF COLD TOLERANCE IN RICE SEEDLINGS THROUGH ROOT ANALYSIS", Status: Proposal. (January 2022 - May 2024). Agricultural Sciences, Texas State University.
Student(s): Rubina Shaik, Graduate, Master's of Science in Integrated Agricultural Sciences.

Supervisor / Chair, Independent Study, "Diurnal Asymmetry Differences in Soil Water, Relative Humidity, and Air Temperature Based on Grazing Management and Forage Biomass", Status: Completed. (May 2023 - December 2023). Agricultural Sciences, Texas State University.
Student(s): Kelsey Stromberg, Undergraduate, Bachelor's of Science in Agriculture.

Supervisor / Chair, Master's Thesis, "Production and Quality Dynamics of Intercropping Legumes with Solanaceous Crops", Status: Proposal. (August 2021 - May 2023). Agricultural Sciences, Texas State University.
Student(s): Binod Joshi, Graduate, Master's Degree in Integrated Agricultural Sciences.

Supervisor / Chair, Master's Thesis, "A Comparative Study on the Effects of Arbuscular Mycorrhizal Fungi on Tripsacum dactyloides, Zea diploperennis, and Zea mays L.", Status: Completed. (January 2021 - May 2023). Agricultural Sciences, Texas State University.
Student(s): Kailyse Besse, Graduate, Master's Degree Integrated Agricultural Sciences.

Supervisor / Chair, Master's Thesis, "The Periodic Table of Cover Crops", Status: Proposal. (August 28, 2019 - December 2022). Agricultural Sciences, Texas State University.
Student(s): Shane Carter, Graduate, Master's Degree in Integrated Agricultural Sciences.
Cover Crop Paper Revision 3 Week Of-1.docx
Additional Comments: Changed to non-Thesis fall 2022

Member, Master's Thesis, "FACTORS AFFECTING GASTROINTESTINAL NEMATODE INFECTION IN GOATS", Status: Completed. (2018 - 2022). Agricultural Sciences, Texas State University.
Student(s): Trixie Wetmore, MS Integrated Agricultural Science.

Supervisor / Chair, Master's Thesis, "The Influence of Biochar on Crop Production", Status: Proposal. (August 17, 2021 - September 2022). Agricultural Sciences, Texas State University.
Student(s): Cassaundra Melgar CDeBaca, Graduate, Master's Degree in Integrated Agricultural Sciences.

Additional Comments: Student changed to non-Thesis as of Fall 2022 under a different advisor.

Supervisor / Chair, Master's Thesis, "Changes in Soil Physical Properties Under Intense Grazing Management", Status: Proposal. (January 2021 - September 2022). Agricultural Sciences, Texas State University.
Student(s): Tim Auld, Graduate, Master's of Science in Integrated Agricultural Sciences.

Additional Comments: Withdrew

Supervisor / Chair, Honor's Thesis, "Expanding the Lens and the Connection of Everything Ecology, Agriculture, and Hope for the Future", Status: In Progress. (January 17, 2022 - May 2022). Agricultural Sciences, Texas State University.
Student(s): Carly Chen, Undergraduate, General Agricultural Sciences.
THESIS-1.docx

Member, Master's Thesis, "Development of a Machine Learning Algorithm for the estimation of Soil Organic Matter from the integration of UAV & Ground-in Sensor", Status: In Progress. (August 2020 - May 2022). Engineering Technology, Texas State University.
Student(s): Rishab Basutkar, Graduate, Master's Degree in Engineering.

Member, Master's Thesis, "The Short and Long Term Benefits of Integrating Cover Crops into Texas Farmland: Effects on Profitability and Soil Health", Status: Completed. (August 2019 - May 2022). Agricultural Sciences, Texas State University.
Student(s): Katherine Westerman, Graduate, Master's of Science in Integrated Agricultural Sciences.

Supervisor / Chair, non-thesis, "TBA", Status: Completed. (August 2018 - May 2022). Agriculture, Texas State University.
Student(s): Rose Flores, Graduate, MS Integrated Agricultural Science.

Additional Comments: Changed to non-Thesis in January 2022

Member, Master's Thesis, "TBD", Status: Proposal. (August 2017 - May 2022). Biology, Texas State University.
Student(s): Kristen Sustaita, Graduate, Master's.

Supervisor / Chair, Master's Thesis, "Understanding the Barriers to Adoption of Regenerative Agricultural and Soil Health Practices", Status: Proposal. (August 2021 - January 2022). Agricultural Sciences, Texas State University.
Student(s): Rebecca Tasker, Graduate, Master's of Science in Integrated Agricultural Sciences.

Additional Comments: Withdrew

Supervisor / Chair, Master's Thesis, "Training Polestes spp. to Hunt Spodoptera exigua", Status: Proposal. (August 2018 - January 2022). Agriculture, Texas State University.
Student(s): Jaycob Gorski, Graduate, Master's Degree in Integrated Agricultural Sciences.

Additional Comments: Withdrawn

Supervisor / Chair, Master's Thesis, "Road Blocks to Success - An Assessment of Financial Needs and Perceptions of Success in Texas Small Producers.", Status: Completed. (January 2019 - December 2021). Agriculture, Texas State University.
Student(s): Katie Tritsch, Graduate, MS Integrated Agricultural Science.

Supervisor / Chair, Exit Exam, "Cover Cropping Table and Practices in the Southern High Plains", Status: Completed. (September 2018 - October 2020). Agriculture, Texas State University.
Student(s): Cody Brown, Graduate, MS Integrated Agricultural Science.

Member, Dissertation, "PENETRATION BEHAVIOR OF COMPOSITE STRUCTURES MODIFIED WITH SURFACE TREATED NANOPARTICLES", Status: Completed. (January 2018 - July 2020). Ingram School of Engineering, Texas State University.
Student(s): Harish Kallagunta, Doctoral, Ph.D.

Supervisor / Chair, Master's Thesis, "Effects of Amorphous Silica on Growth, Nutrients Accumulation and Drought Tolerance in Leafy Vegetables", Status: Completed. (January 2018 - July 2020). Agriculture, Texas State University.
Student(s): Rafea Rea, Graduate, MS Integrated Agricultural Science.

Supervisor / Chair, Independent Study, "Tomato and Basil Companion Planting", Status: Completed. (August 2019 - May 2020). Agricultural Sciences.
Student(s): Anja Senn, Undergraduate, Bachelor's.
Melissa Lampkin, Undergraduate, Bachelor's.

Supervisor / Chair, Master's Thesis, "Biological Control of Sweetpotato Weevil (Cylas Formicarius)", Status: Completed. (August 2017 - May 2020). Agriculture, Texas State University.
Student(s): Harpreet (Sony) Sandhu, Graduate, MS Integrated Agricultural Science.

Member, Master's Thesis, "Anthelmitic Potential of Plant Extracts on Helminths in Small Ruminants", Status: Completed. (August 2016 - December 2019). Agriculture, Texas State University.
Student(s): Taylor Luce, Graduate, Master's.

Supervisor / Chair, Exit Exam, Status: Completed. (January 1, 2015 - December 1, 2019). Department of Agriculture, Texas State University.
Student(s): Lorig Hawkins, Graduate, Master's.

Member, Independent Study, "Early Detection of the Glassy-winged Sharpshooter using MEMS Technology", Status: Completed. (January 2018 - December 2018). Ingram School of Engineering College of Science and Engineering, Texas State University.
Student(s): Natalie Ownby, Undergraduate, BS.

Member, Project, "Sunlight capture with a passive optical fiber daylighting system using a compound parabolic shape", Status: Completed. (January 2018 - December 2018). Engineering, Texas State University.
Student(s): Katherine Casey, Undergraduate, BS.

Member, Project, "Effects of plant extracts on Caenorhabditis elegans mortality", Status: In Progress. (January 2018 - December 2018). Agriculture, Texas State University.
Student(s): Trixie Wetmore, Undergraduate, BS.

Supervisor / Chair, Master's Thesis, "Multispecies intercropping yields compared to monocropping and land equivalency ratios", Status: Completed. (January 1, 2015 - December 1, 2018). Department of Agriculture, Texas State University.
Student(s): Joshua Newton, Graduate.

Member, Master's Thesis, "Influence of variable planting time on the productivity of a corn-bean intercropping system", Status: Completed. (August 2015 - August 2018). Biology, Texas State University.
Student(s): Sarah Eisenmenger, Graduate, Master's.

Supervisor / Chair, Honor's Thesis, "TBA", Status: Completed. (January 2018 - May 2018). Agriculture, Texas State University.
Student(s): Joseph Matza, Undergraduate, Bachelor's.

Supervisor / Chair, Master's Thesis, "A Cross-Sectional Analysis of Soil Health in Relation to Cover Cropping Practices", Status: Proposal. (August 2017 - December 2017). Agriculture, Texas State University.
Student(s): Abby Herdon, Graduate, Master's.

Additional Comments: Withdrew

Supervisor / Chair, Honor's Thesis, "What and Why Agriculture Changed: A comprehensive summary comparing the agricultural practices of B.C.E. farmers and conventional agriculture", Status: Completed. (January 2017 - May 2017). Agriculture, Texas State University.
Student(s): Cody Brown, Undergraduate.

Supervisor / Chair, Honor's Thesis, "Martian Cultivation: Benefits And Limitations of Urban Agriculture in San Marcos, TX", Status: Completed. (January 2017 - May 2017). Agriculture, Texas State University.
Student(s): Natalie Dorman, Undergraduate.

Member, Master's Thesis, "Assessing the Efficacy of Third-Party Involvement in Farm-To-School Participation: Facilitating Connections Between Local Farmers and Food Service Managers in the Austin Independent School District.", Status: Completed. (September 1, 2014 - December 2016). Department of Geography, Texas State University.
Student(s): Renee Hardin, Graduate.

Additional Comments: Withdrawn

Supervisor / Chair, Exit Exam, "A Small Producers Assessment of Needs in the Current Changing Agricultural Climate. And The Impact and Development of the Agrohood on Affluent and Economically Disadvantaged Communities.", Status: Completed. (May 2016).
Student(s): Marissa Lankes.

Supervisor / Chair, Exit Exam, "The Relationship Between Soil Texture, Phosphorus Content and Vegetation Community in Landa Lake, an Edwards Aquifer Spring Fed Lake in Texas.", Status: Completed. (January 1, 2014 - May 1, 2016). Department of Agriculture, Texas State University.
Student(s): Travis Lee, Graduate.

Supervisor / Chair, Master's Thesis, "Phosphorus Release in Texas Vertisols Through the Application of Low-Molecular-Weight Organic Acids as a Fertilizer Alternative for the Agricultural Production of Solanum melongena", Status: Completed. (August 2013 - December 2015). Agriculture, Texas State University.
Student(s): Dagoberto Osorio, Graduate, Master's.

Supervisor / Chair, Honor's Thesis, "Untapped Oil Reserves: A Quantitative, Cross-Species Analysis of Acorn Oil.", Status: Completed. (September 1, 2014 - May 1, 2015). Department of Agriculture, Texas State University.
Student(s): Hallie Casey, Undergraduate.

Supervisor / Chair, Independent Study, "Acorn Oil Yield for Three Oak Species of Central Texas.", Status: Completed. (September 1, 2014 - May 1, 2015). Department of Agriculture, Texas State University.
Student(s): Hallie Casey, Undergraduate.

Member, Master's Thesis, "Evaluation of Soil Chemistry in Human Decomposition Sites.", Status: Completed. (January 1, 2013 - May 1, 2015). Department of Anthropology, Texas State University.
Student(s): James Fancher, Graduate.

Member, Master's Thesis, "The Use of Near-Infrared Remote Sensing in the Detection of Clandestine Human Remains", Status: Completed. (January 1, 2013 - May 1, 2015). Department of Anthropology, Texas State University.
Student(s): Marilyn Isaaks, Graduate.

Member, Master's Thesis, "Rangeland Biomass Utilization: Mesquite as a Model for Energy, Food and Fodder in Central and South Texas", Status: Completed. (January 1, 2012 - May 1, 2015). Department of Agriculture, Texas State University.
Student(s): Charles Hoitt, Graduate.

Member, Project, "Participation in the San Antonio Water System Watersaver Landscape Coupon Program: Program Satisfaction and Recommendations for the Future.", Status: Completed. (January 1, 2013 - December 1, 2014). Department of Geography, Texas State University.
Student(s): Julie Cornelius, Graduate.

Supervisor / Chair, Honor's Thesis, "Ecological Economy: Integrating Beneficial Fungi to Our Production Systems.", Status: Completed. (January 1, 2014 - September 1, 2014). Department of Agriculture, Texas State University.
Student(s): Stephanie Manara, Undergraduate.

Supervisor / Chair, Independent Study, "The Effects of Ground Soapwort and Isopropylene Glycol on Soil Water Drainage", Status: Completed. (January 1, 2014 - May 1, 2014). Department of Geography, Texas State University.
Student(s): Anna Berning, Undergraduate.

Supervisor / Chair, Honor's Thesis, "Herbs: Cultivation, Culinary Use and Curative Properties.", Status: Completed. (September 1, 2013 - May 1, 2014). Texas State University.
Student(s): Ana Perez, Undergraduate.

Supervisor / Chair, Exit Exam, "Could Multispecies Cover Cropping Increase Drought Tolerance of Cash Crops in Central Texas?", Status: Completed. (January 1, 2013 - May 1, 2014). Department of Biology.
Student(s): Neil Schmidt, Graduate.

Member, Master's Thesis, "The Willingness to Pay for a Native Central Texan Plant as a Food Source.", Status: Completed. (September 1, 2012 - May 1, 2013). Department of Agriculture, Texas State University.
Student(s): Benjamin Glover, Graduate.

Supervisor / Chair, Independent Study, "A Comparison of Propylene Glycol and Powdered Soapwort on Water Infiltration in Hydrophobic Soils.", Status: Completed. (September 1, 2012 - December 1, 2012). Department of Geography, Texas State University.
Student(s): Elizabeth Wrenn, Undergraduate.

Supervisor / Chair, Independent Study, "Climate Change Related Effects on Autumnal Flows of Headwater Streams of the Eastern Slope of the Lower Rocky Mountain", Status: Completed. (September 1, 2012 - December 1, 2012). Department of Geography, Texas State University.
Student(s): Mitchell Tucker, Undergraduate.

Supervisor / Chair, Honor's Thesis, "A Comparison of Student Campaigns for Change at US Universities and an Outline for Developing a Campaign Structure within Texas State University", Status: Completed. (September 1, 2011 - May 1, 2012). Department of Geography, Texas State University.
Student(s): Katherine Tritsch, Undergraduate.

Supervisor / Chair, Independent Study, "Changes in Autumnal Flows of Streams of the Rio Grand Headwaters and Eastern Slope of the Rocky Mountains", Status: Completed. (September 1, 2011 - December 1, 2011). Department of Geography, Texas State University.
Student(s): Anne Ruthstrom, Undergraduate.

Supervisor / Chair, Independent Study, "Increases in Crop Biomass in Soils Amended with Charcoal", Status: Completed. (September 1, 2010 - May 1, 2011). Department of Agriculture, Texas State University.
Student(s): Gregory Frank, Undergraduate.

Supervisor / Chair, Independent Study, "Use of Extracts from Melia azedarach Fruits and Roots as a Biopesticide", Status: Completed. (September 1, 2010 - May 1, 2011). Department of Agriculture, Texas State University.
Student(s): Travis Lee, Undergraduate.

D. Courses Prepared and Curriculum Development:

Soil Health and Development, First Time Course Preparation, Texas State University. Taught: August 2018 - December 2022.

Soil Science II, First Time Course Preparation, Texas State University. Taught: January 2012 - December 2022.

Economic Entomology, First Time Course Preparation, Texas State University. Taught: June 2009 - 2021.

Range Management, First Time Course Preparation, Texas State University. Taught: January 2018 - May 2018.

Fruit and Vegetable Production, First Time Course Preparation, Texas State University. Taught: January 2012 - May 2016.

General Horticulture, First Time Course Preparation, Texas State University. Taught: January 2012 - May 2016.

Soil Science I, First Time Course Preparation, Texas State University. Taught: August 2010 - January 2016.

Agronomic Crops, First Time Course Preparation, Texas State University. Taught: August 2011 - December 2015.

Organic Gardening, First Time Course Preparation, Texas State University. Taught: August 2011 - December 2011.

Research Methods, New Course, Texas State University. Taught: January 2019 - May 2019.

MS Integrated Agricultural Science, New Degree Program, Texas State University. Approved: 2016 - August 2018.

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

c. Edited Books:

Refereed:

Mix, K. D., Ilyas, N., Sayyed, R., & Khan, M. (2025). *Phytomicrobiome and Stress Regulation*. Elsevier - Academic Press. https://doi.org/10.1016/C2024-0-00638-8

2. Articles:

a. Refereed Journal Articles:

Singh, G., Das Jyoti, S., Uppalanchi, P., Chepuri, R., Mondal, S., Harper,, C. L., … Talukder, S. K. (2024). Genomic regions associated with flag leaf and panicle architecture in rice (Oryza sativa L.). *BMC Genomics*. Published. https://doi.org/https://doi.org/10.1186/s12864-024-11037-z

Signh, G., Jyoti, S., Uppalanchi, P., Chepuri, R., Mondal, S., Harper, C., … Talukder, S. (2024). Genomic regions associated with flag leaf and panicle architecture in rice (Oryza sativa L.). *BMC Genomics*, *25*(1200). https://doi.org/doi.org/10.1186/s12864-024-11037-z
s12864-024-11037-z-1.pdf

Tritsch, K., Mix, K. D., Edwards, M., & Pina, M. (2024). Perceptions of Texas Small-Scale Producers on Success, Challenges, and the Future of Agriculture. *Journal of Rural Social Sciences*, *39*(1).
Perceptions of Texas Small-Scale Producers on Success Challenges-1.pdf

Tritsch, K., Mix, K. D., Wagner, N., Sitienei, I., & Lankes, M. (2023). Challenges and Training Needs of Texas Small Producers: Results from 2017-2019 Needs Assessment Survey. *Texas Journal Of Agriculture and Natural Resources*. Published.
Challenges and Training Needs of Texas Small Producers-12.16.20-1.docx
Additional Comments: This is in the last editorial revision, acceptance is expected in 2023.

Tritsch, K., Mix, K., Edwards, M. L., & Piña Jr., M. (2022). Evaluating Success Factors and Challenges Among Small-Scale Agricultural Producers: A Texas Case Study. *Journal of Rural Social Sciences*, *37*(3). https://doi.org/https://egrove.olemiss.edu/jrss/vol37/iss3/3

Mix, K. D., Rea, R. R., Islam, M. R., Rahman, M. M., & Nath, B. (2022). Growth, Nutrient Accumulation, and Drought Tolerance in Crop Plants with Silicon Application: A Review. *Sustainability*, *14*((8)), 4525.
sustainability-14-04525-1.pdf

Tritsch, K., Mix, K., Edwards, M. L., & Piña Jr., M. (2021). What Makes a Small Farm Successful? A Review of Success Factors, Needs, and Challenges. *Journal of Extension*, *59*(2). https://doi.org/https://doi.org/10.34068/joe.59.02.18

Rea, R. S., Islam, M. R., Rahman, M., & Mix, K. (2019). Study of Nitrogen Use Efficiency and Yield of Rice Influenced by Deep Placement of Nitrogen Fertilizers. SAARC Journal of Agriculture. *SAARC JOURNAL OF AGRICULTURE*, *17*(1).
SAARC Journal of Agriculture Vol. 17 Issue 1 June 2019-1.pdf

Fancher, J. P., Aitkenhead-Peterson, J. A., Farris, T., Mix, K. D., Schwab, A. P., Wescott, D. J., & Hamilton, M. D. (2017). An Evaluation of Soil Chemistry in Human Cadaver Decomposition Islands. *Forensic Science International*, *279*, 130–139. https://doi.org/10.1016/j.forsciint.2017.08.002
2017 Evaluation of soil chem-1.pdf

Osorio, D., & Mix, K. D. (2016). Low-Molecular-Weight Organic Acids as a Phosphorus Fertilizer Supplement for Vegetable Production in Calcareous Soil Regions. *International Journal of Plant and Soil Science*. Published.

Mix, K. D. (2016). The water infiltration, hydraulic conductivity and water retention effects of ground Saponaria officinalis (L.) root as a soil surfactant. *International Journal of Plant and Soil Science*. Published.

Mix, K. D., Lopes, V., & Groeger, A. W. (2016). Impacts of dam construction on streamflows during drought periods in the Upper Colorado River Basin, Texas. *Lakes and Reservoirs: Research and Management*, *21*, 329–337.
1.4 IF - The impacts of dam construction on streamflow during drought periods in the Upper Colorado River Basin Texas-1.pdf

Mix, K. D., Lopes, V. L., & Rast, W. (2015). A Systems Approach to Understanding the Evolution of the Agro-Social-Ecological System of the Upper Rio Grande-San Luis Valley, Colorado. *Journal of Water Resources Management*, *29*(2), 233–251.

Groeger, A. W., Lopes, V. L., Mix, K. D., & Bass, D. (2015). Drought in Texas: Consequences of past decisions on current hydrological conditions. *Lake Line*. Published.

Lee, T., & Mix, K. D. (2012). Evaluation of Melia azedarach as a botanical pesticide against beet armyworm (Spodoptera exigua). *Journal of Agricultural and Biological Science*, *7*, 962–967.

Mix, K. D., Lopes, V. L., & Rast, W. (2012). Growing Season Expansion and Related Changes in Monthly Temperature and Growing Degree Days in the Inter-Montane Desert of the San Luis Valley, Colorado. *Climatic Change*, *114*, 723–744.

Mix, K. D., Lopes, V. L., & Rast, W. (2012). A Semi-Quantitative Analysis of Water Appropriations and Allocations in the Upper Rio Grande Basin, Colorado. *Journal of Irrigation and Drainage Engineering*, *138*, 662–674.

2.0 IF - SEMIQUANTITATIVE ANALYSIS of WATER APPROPRIATIONS AND ALLOCATIONS IN THE UPPER RIO GRANDE BASIN-1.pdf

Mix, K. D., Lopes, V. L., & Rast, W. (2011). Annual and Growing Season Climate Changes in the Alpine Desert of the San Luis Valley, Colorado. *Soil, Water and Air Pollution*, *220*, 189–203.

Mix, K. D., Rast, W., & Lopes, V. L. (2011). Environmental Drivers of Streamflow Change in the Upper Rio Grande. *Journal of Water Resources Management*, *26*, 253–272.

Mix, K. D. (2010). A Method for Identifying and Assessing Changes in Drivers and Linkages in a Social-Ecological System: The San Luis Valley, Colorado. *International Society for the System Sciences*, *XXXIX*(Bulletin).

Mix, K. D., Rast, W., & Lopes, V. L. (2010). Increases in Annual and Growing Season Growing Degree Days in the Alpine Desert of the San Luis Valley, Colorado. *Soil, Water and Air Pollution*, *205*, 289–304.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Mix, K. D., Lopes, V. L., & Rast, W. (2013). A Multi-Dimensional Analysis of the Social-Ecological System of the Upper Rio Grande-San Luis Valley, Colorado.

4. Abstracts:

Wetmore, T. L., Luce, T. W., Mix, K. D., & Benavides, E. A. (Accepted / In Press). Effects of plant extracts on adult Haemonchus contortus mortality. *Journal of Animal Science*.

Hayes, C. D., Diamond, M. J., Wetmore, T. L., Mix, K. D., & Benavides, E. A. (Accepted / In Press). Determining the Possible Anthelmintic Properties of Allicin and Pumpkin Seed Oil For Mitigation of Anthelmintic Resistance Found in Gastrointestinal Nematodes Infecting Ruminants. *Journal of Animal Science*.

Lyon, S. D., Gress, S., Arce, D., Mix, K. D., & Benavides, E. A. (Published). Evaluation of Haemonchus contortus hatch inhibition by three plant based products.

6. Book Reviews:

Mix, K. D. (2013). Precision Conservation to Enhance Wildlife Benefits in Agricultural Landscapes. Access Books, USDA.

Mix, K. D. (2012). Daly and Doyen's Introduction to Insect Biology and Diversity. Oxford University Press.

10. Other Works in Print:

Professional reportss:

Mix, K. D. (2009). *Regional Framework for Sustainable Use of the Rio Bravo*. San Marcos, TX: The River Systems Institute.

Mix, K. D. (2008). *Colorado River, Texas TDA*. San Marcos, TX: The River Systems Institute.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Alo, A. A., Tate, J. S., Slupsky, J. M., Fuentes, C. E., Ratcliff, J. D., Danielsen, E. H., Mix, K. D., CAMX The Composites and Advanced Materials EXPO, "Cellulose Fibers Extracted from Common Ragweed," American Composites Manufacturing Association & Society for the Advancement of Material and Process Engineering, Kay Bailey Hutchison Convention Center, Dallas, TX, United States. (October 2018). TP18-0573 CAMX 2018 Ragweed-Alo- Revised Submitted (July 17 2018)[1]-1.pdf

Davis, K., Minifie, J., Mix, K. D., 2016 Lilly Conference on Evidence-Based Teaching and Learning., "Measuring Service Learning Outcomes and Community Engagement for Continuous Improvement.," Austin, TX, United States. (2016).

Gandonou, J.-M., Cade, T. M., Mix, K. D., "An Estimation of the Willingness to Pay for Native Central Texan Fruit Using an Ordered Logit Model," Southwestern Social Science Association, San Antonio, TX. (2014).

Mix, K. D., "A Multi-Dimensional Analysis of the Social-Ecological System of the Upper Rio Grande-San Luis Valley, Colorado," Porto, Portugal. (2013).

Mix, K. D., The 52nd Annual Meeting of the International Society for the Systems Sciences, "Agriculturally Related Changes in Climate of the San Luis Valley," University of Wisconsin, Madison, WI. (2008).

Mix, K. D., The Welder Wildlife Foundation Symposium, "The Effects of Summer Prescribed Fire on Vegetation, Invertebrate and Avian Communities (paper)," Sinton, TX. (2004).

Mix, K. D., The Wildlife Society Annual Conference, "The Effects of Summer Prescribed Fire on Vegetation, Invertebrate and Avian Communities (paper)," Burlington, VT. (2003).

Mix, K. D., 3rd North American Ornithological Conference, "Effects of Summer Prescribed Fire on Taxa Richness and Abundance of Avian and Macroinvertebrate Populations and Associated Vegetative Changes," New Orleans, LA. (2002).

Mix, K. D., Annual Meeting of the Assoc. of Field Ornithologists and the Wilson Ornithological Society, "Effects of Summer Prescribed Fire on Taxa Richness and Abundance of Avian and Macroinvertebrate Populations and Associated Vegetative Changes," Naples, FL. (2002).

Mix, K. D., The Wildlife Society Annual Conference, "Effects of Summer Prescribed Fire on Taxa Richness and Abundance of Avian and Macroinvertebrate Populations and Associated Vegetative Changes," Bismarck, ND. (2002).

2. Invited Talks, Lectures, and Presentations:

Mix, K. D., Marshall, S. (co-presenter), Haschke, E. (co-presenter), The Southern Family Farmer's and Food Systems Conference, "Grant Writing for Producers and Producer Groups," The Small Producer Initiative and Farm and Ranch Freedom Alliance, Texas State University Student Center, San Marcos, TX, United States. (August 2021).
2021 SFFFS Program final (325)-1.pdf

Mix, K. D., Southwestern Soil and Water Conservation District Tour, "Soil Health Research and Education in the Department of Agriculture at TXState," USDA, TXState, San Marcos, TX, United States. (September 2018).

Mix, K. D., Capital Farm Credit Next Generation Conference, "The Need for Beginning Farmers and Ranchers and Opportunities at TXState," Capital Farm Credit, The Hilton Garden Inn Victoria, Victoria, TX, United States. (September 2018).

Mix, K. D., International Research Conference on Higher Education 2017- IRCHE, "Publish or Perish: Publication in Peer Reviewed International Journals," IRCHE, Inna Grand Bali Resort, Denpasar, Bali, Indonesia. (January 2018).

Asiabanpour, B., Wagner, N. C., Mix, K. D., Aslan, S., USDA PI Technical Meeting, "An Overview of Year 1 Activities: EverGreen," USDA HSI Education Program, Alberquerque. (2017).

Mix, K. D., Soil Science Basics Class, "Sustainable Agriculture," The Natural Gardener, The Natural Gardener, Austin, TX, United States. (May 2017).

Mix, K. D., Biology 7360 Guest Lecture, "Sustainable Agriculture." (March 15, 2015).

Mix, K. D., Philosophy Dialogue Series, "Sustainable Agriculture," San Marcos Public Library. (March 11, 2015).

Mix, K. D., Texas Organic Farmers and Gardeners Association 2015 Annual Conference, "Multispecies Winter Cover Cropping." (January 30, 2015).

Mix, K. D., Chihuahua Desert Research Institute, "Arid Lands Agriculture." (August 25, 2014).

Mix, K. D., Texas Alternative Agriculture Producers Forum, "Integrated Pest Management," Sam Houston State University. (June 3, 2014).

Mix, K. D., Summer program in Biomedical Sciences, "Agro-ecological relationships of insects and crops," Texas State University and VRDUR Institute. (July 28, 2012).

Mix, K. D., Supporting Women in Geography – Monthly meeting, "Vegetable gardening techniques and pest management," SWIG. (March 5, 2012).

Mix, K. D., AgriLIFE – San Marcos Grounds Maintenance Conference, "Integrated Pest Management for Cutworms and Armyworms in Turf and Hay Texas." (January 11, 2012).

3. Consultancies:

Board of Directors; Heirloom Blooms, Wimberley, TX. (2013 - 2015).

River Systems Institute – Texas State research project: Sustainable Agricultural Water Conservation in the Rio Grande Basin “Adapting Conjunctive Strategies in Over-drafted Aquifers of the Rio Grande Basin”. (2010).

Red Panda network; Scientific and research advisor and grant development, Nepal. (2009 - 2010).

4. Workshops:

Benavides, E. A., Wetmore, T. L., Hayes, C. D., Mix, K. D., TOFGA Annual Conference, "Parasite Detection in Small Ruminants Workshop," Small Producers Initiative, Frank Mayborn Convention Center, Temple, TX, United States. (January 18, 2020).

Mix, K. D., "How to Start a Farm Business," USDA, Webinar. (December 19, 2019).

Additional Comments: Guest speakers were: Doug and Melissa Havemann from Mesquite Field Farm

Mix, K. D., Fecal Egg Count Workshop, USDA, Texas State University Department of Agricultural Sciences, San Marcos, TX. (November 2, 2019).

Mix, K. D., Farm and Food Leadership Conference, USDA, Texas State University - LBJ Student Center, San Marcos, TX. (August 11, 2019).
Conference Program 2019 Final -SMALL-1.pdf

Mix, K. D., Small Producer Initiative Advisory Team Meeting, USDA-Texas State Univerisity, Texas State University, Department of Agriculture, San Marcos, TX, United States. (March 2019).
March2019-SPI Advisory Mtg Packet-v2-1.docx

Mix, K. D., Second Annual Small Producer Conference, USDA, Capital Farm Credit, Texas Department of Agriculture, Texas State University, Department of Agriculture, San Marcos, TX, United States. (August 2018).

Mix, K. D., Eichler, M. A., Wagner, N. C., First Annual Small Producer Conference, "First Annual Small Producer Conference," Texas State University, USDA - Grant: RURAL-V, Texas State University, Department of Agriculture, San Marcos, TX, United States. (August 2017).

5. Other Works not in Print:

a. Works "submitted" or "under review":

Abstracts:

Wetmore, T., Luce, T. W., Gress, S., Mix, K. D., & Benavides, E. A. (Submitted / Under Review). Effects of plant extracts on Caenorhabditis elegans mortality. (December 4, 2017)

Journal Articles:

Akhtar, N., & Mix, K. D. (Submitted / Under Review). Contribution of Grazing in Diurnal Temperature Change at Texas. *Soil Science and Plant Nutrition*. (December 2025)
Diurnal Grazing-1.docx

Akhtar, N., Mix, K. D., Dharmasiri, N., & Jameel, M. A. (Submitted / Under Review). Decoding CO2 Correlation with Stomatal Architecture: Tracing Stomatal Transition Past to Future Trend. *Journal of Plant Growth Regulation*. (December 2025)
CARBON REVIEW-1.docx

Surekthal, P., Mix, K. D., Lankes, M., & Dey, M. (Submitted / Under Review). Differences in Educational Needs of Women and Men Small Farmers. *Texas Journal of Agricutlure and Natural Resources*. (September 11, 2022)
TXJANR GENDER ISSUES -1.docx

Hayes, C. D., Mix, K. D., Wetmore, T. L., Diamond, M. J., & Benavides, E. A. (Submitted / Under Review). DETERMINING THE OVICIDAL CAPABILITIES OF ALLICIN, S-ALLYL CYSTEINE, AND PUMPKIN

SEED OIL FOR MITIGATION OF H.CONTORTUS INFECTIONS IN GOATS. *Texas Journal of Agriculture and Natural Resources*.

Luce, T. W., Wetmore, T. L., Mix, K. D., Kerwin, S. M., & Benavides, E. A. (Submitted / Under Review). Anthelmintic Effects of Allicin, Artimisinin, and Pumpkin Seed Oil on Haemonchus contortus. *Texas Journal of Agriculture*. (December 2020)

b. Works "in progress":

Journal Articles:

Hayes, C. D., Wetmore, T. L., Diamond, M. J., Kerwin, S. M., Mix, K. D., & Benavides, E. A. (In Preparation; Not Yet Submitted). A review of plant-sourced anthelmintics: Past, present and potential applications.

c. Other Works Not in Print:

Keynote / Plenary Addresses:

Mix, K. D., Second Annual Small Producer Conference, "Small Producer Needs and Research at Texas State University," USDA and Texas State University, Texas State University Department of Agriculture, San Marcos, TX, United States. (August 13, 2018).

Mix, K. D., Texas Organic Farmers and Gardeners Association, TOFGA, Sheraton Georgetown Hotel & Conference Center, Georgetown, TX, United States. (February 2018).

Mix, K. D., International Research Conference on Higher Education, 2017 - IRCHE, "Commercializing Innovative Research in the University," IRCHE, Inna Grand Bali Resort, Denpasar, Bali, Indonesia. (January 2018).

Outreachs:

Mix, K. D., 2019 TOFGA Annual Conference, Texas Organic Farmers and Ranchers Association, Omni Hotel, Corpus Christi, TX, United States. (February 2019).

Mix, K. D., 2nd Annual Texas Hispanic Farmer and Rancher Conference, National Center for Appropriate Technology, Casa de Palmas Hotel, McAllen, TX, United States. (December 2018).

Posters:

Tillmon, C. S. (Lead Author), Mix, K. D. (Advisor and Second Author), Tuttle, M. (Advisor and Third Author), 20th Annual AAHHE Annual Conference, "Artificial Roost Selection by Brazilian Free-Tail & Evening Bats," AMERICAN ASSOCIATION OF HISPANICS IN HIGHER EDUCATION, INC., Metropolitan State University of Denver, Denver, CO, United States. (March 7, 2025).
TILLMON CANYON POSTER-1.pptx

Chepuri, R. (TA), Mondal, S. (Lecturer), Singh, G. (Postdoctoral Research Associate (rice), Texas A&M Agrilife Research Center at Beaumont), Mix, K. D. (Associate Professor), Uppalanchi, P. (GTA), Harper, C. L. (Research Assistant, Texas A&M Agrilife Research Center at Beaumont), Samonte, S. O. P. (Associate Professor, Texas A&M Agrilife Research Center at Beaumont), Sanchez, D. (Assistant Research Scientist, Texas A&M AgriLife Research Center at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M AgriLife Research Center at Beaumont), ASA CSSA SSSA Annual Meeting, "GENOME-WIDE ASSOCIATION STUDIES (GWAS) AND MOLECULAR MARKER IDENTIFICATION FOR AGRONOMIC TRAITS IN RICE," St. Louis, Missouri, St. Louis, MO, United States. (2023).

Uppalanchi, P. (Graduate Student), Mondal, S. (Lecturer), Singh, G. (Postdoctoral Research Associate (Rice), Texas A&M Agrilife Research Center at Beaumont), Mix, K. D. (Associate Professor), Chepuri, R. (Graduate Student), Samonte, S. O. (Associate Professor, Texas A&M Agrilife Research Center at Beaumont), Sanche, D. (Assistant Research Scientist, Texas A&M Agrilife Research Center at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M Agrilife Research Center at Beaumont), ASA CSSA SSSA Annual Meeting, "Investigating Diverse Rice Germplasm for Yield Related Traits Associated with Panicle Architecture," St. Louis, Missouri, St. Louis, TX, United States. (2023).

Uppalanchi, P. (GTA), Mondal, S. (Lecturer), Singh, G. (Postdoctora lResearch Associate (Rice), Texas A&M Agrilife Research Center at Beaumont), Mix, K. D. (Associate Professor), Chepuri, R. (TA), Harper, C. L. (Research Assistant, Texas A&M Agrilife Research Center at Beaumont), Samonte, S. O. P. (Associate Professor, exas A&M Agrilife Research Center at Beaumont), Sanchez, D. (Assistant Research Scientist, Texas A&M AgriLife Research at Beaumont), Talukder, S. K. (Assistant Professor, Texas A&M AgriLife Research at Beaumont), 75th Annual Rice Field Day, "Exploring diverse rice germplasm for suitable panicle architecture," Texas A&M AgriLife Research Centre, Texas A&M AgriLife Research Centre, Beaumont, TX, United States. (July 13, 2023).

Shaik, R. Y. (Graduate Student), Singh, G. (Postdoctoral Fellow), Mondal, S. (Supervisor), Mix, K. D., Harper, C., Samonte, S. O. P., Sanchez, D., Talukder, S. (Committee Member), 75th Beaumont Field Day, "Phenotyping Rice GWAS Lines for Roots Architecture Under Cold Condition," Texas A&M AgriLife Research Station, Texas A&M AgriLife Research Centre, Beaumont, TX, United States. (July 13, 2023).

Additional Comments: Shaik Ruby achieved 2nd prize in student-poster competition.

Tritsch, K. T., Mix, K. D., USDA Non-Land Grant Capacity Building Project Director Meeting, "Roadblocks to Success: Needs Assessment of Texas SmallProducers," USDA, Angelo State University, San Angelo, TX. (October 21, 2019).

Mix, K. D., USDA Non-Land Grant Capacity Building Project Director Meeting, "The Small Producer's Initiative's Texas State Supporting Small Producers," USDA, Angelo State University, San Angelo, TX. (October 21, 2019).

Owenby, N. (Presenter - Researcher), Forsman, B. (Presenter - Researcher), Aslan, S. (Advisor), Mix, K. D. (Advisor), TECHCON 2018, "Early Detection of the Glassy-winged Sharpshooter using MEMS Technology," Department of Engineering, TXState, Renaissance Austin Hotel, Austin, TX, United States. (September 16, 2018).

Alo, A. W., Slupsky, J. M., Fuentes, C. E., Ratcliff, J. D., Mix, K. D., Tate, J. S., SAMPE 2018 Technical Conference and Exhibition, "Natural Fibers Extracted from Ragweed," Society for the Advancement of Material and Process Engineering, Long Beach Convention Center, Long Beach, CA, United States. (May 2018).
Poster_Alo April 29 2018-1.pdf

Sandhu, H. (Presenter - Researcher), Mix, K. D. (Advisor), Agricultural Consortium of Texas, "Botanical Control for Sweetpotato Weevil (Cylas formicarius)," Department of Agriculture, TXState, West Texas A&M, Canyon, TX, United States. (April 11, 2018).

Sandhu, H. (Presenter - Researcher), Mix, K. D. (Advisor), Texas Organic Farmers and Gardeners Association 2018 Conference, "Biological Control for Sweetpotato Weevil," Texas Organic Farmers and Gardeners Association, Sheraton Georgetown Hotel & Conference Center, Georgetown, TX, United States. (February 1, 2018).

Mix, K. D., Groeger, A., Lopes, V., "Exceptional Drought and the Impacts of Dams on Flows in the Colorado River, Texas.," Santa Fe, NM, United States. (2016).

Mix, K. D., Groeger, A., Lopes, V., National Center for Atmospheric Research - Climate Change, Global Food Security and the U.S. Food System, "Impacts of Dam Construction on Streamflow During Drought Periods in the Upper Colorado River Basin, Texas," Boulder, CO. (2016).

Osorio, D., Mix, K. D., American Society for Horticultural Science, "Low-Molecular-Weight Organic Acids as a Phosphorus Fertilizer Alternative for the Agricultural Production of Solanum melongena in Semi-Arid Texas Soils," Orlando, FL. (2014).

Ruthstrom, A., Mix, K. D., 1st Annual Symposium of the Agriculture Consortium of Texas, "Changes in Autumnal Flows of Streams of the Rio Grand Headwaters," Alpine. (2011).

Mix, K. D., Lee, T., Annual Symposium of the Agriculture Consortium of Texas, "Use of Extracts from Melia azaderach Fruits and Roots as a Biopesticide," Alpine. (2011).

Mix, K. D., "Growing Season Climate Changes in the San Luis Valley, Colorado: Headwaters of the Rio Grande. Forecast: Climate Change Impacts on Texas Water," Austin, TX. (2008).

Mix, K. D., Southwestern Fire Conference, "Responses of Macroinvertebrate Communities to Summer Prescribed Fires," San Diego, CA. (2002).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Mix, Kenneth D (Principal), Percent Contribution: 100%. Nutrient uptake, assimilation, and/or utilization, particularly increased plant use efficiency for nitrogen, phosphorus, or other supplemental nutrients., USDA, Federal, $27,259.20. (Funded: June 2024 - May 2027). Grant.
Plant It Forward 8-4660-1.pdf

Mix, Kenneth D. Conservation Ranching, Beekeeping and Financial Education Program, USDA OPPE, Federal, $750,000.00. (Submitted: August 2023, Funded: October 2023 - September 2026). Grant.
Full Submission Package-1.pdf

Mix, Kenneth D (Principal). The Small Producer Initiative’s “Cover Cropping Research on Regenerative Soil Solutions, Education, Extension and Demonstration (RReSSEED)”, USDA-NRCS, Federal, $1,000,000.00. (Submitted: July 2021, Funded: October 2022 - September 2026). Grant.

Additional Comments: This project is renewed each year for review to be refunded. Each year, a new proposal is requested for this, it may include changes, as it did this past year. Thus the dates are changed to 2022 to reflect the additional revisions, resubmission and award renewal.

Mix, Kenneth D, Percent Contribution: 50%, Tritsch, Katie (Co-Principal), Percent Contribution: 50%. Bridging Success: Strengthening Community, Capacity, and Viability of Texas Beginning Farmers and Ranchers, USDA, Federal, $549,000.00. (Funded: September 2022 - August 2026). Grant.
BFRDP Narrative_FINAL-1.pdf
2022-05724_2009_V0-1.PDF

Racelis, Alexis (Principal), Drewery, Merritt L (Co-Principal), Mix, Kenneth D (Co-Principal), Gabler, Christoper (Co-Principal), Rugg, Savannah (Co-Principal), Baldillo, I (Co-Principal), Cantu, J. South Texas Agriculture Roadmap for Training, Research, Experiential Learning, and Careers (STARTREC) in Food, Agriculture, and Natural Resources, USDA HSI Education Grants Program, Federal, $975,314.00. (Submitted: January 2021, Funded: September 1, 2021 - August 31, 2026). Grant.
STARTREC account set up-1.pdf
Additional Comments: This was a resubmission from a proposal that was not funded in 2020. Texas State was a sub-award; we received $360,000 (note the account set-up in the pic shows only one year of the subaward, which is why the amounts don't match).

Mix, Kenneth D (Principal), Omana Sudhakaran, Pratheesh O (Co-Principal). Small Producer Initiative's Agricultural Mentoring Program, USDA, Federal, $400,000.00. (Funded: October 2020 - October 2023). Grant.
Preview-WS00565390-OPPE-014-8-1.pdf
Submission Confirmation -1.pdf
SPI-AMP Budget Narrative - FINAL (8-22)-1.pdf

Mix, Kenneth D (Principal), Percent Contribution: 0%, Drewery, Merritt L (Co-Principal), Percent Contribution: 0%. Soil Health Laboratory Equipment Procurement, USDA, Federal, $38,461.00. (Submitted: April 2020, Funded: October 2020 - October 2023). Sponsored Research.

Mix, Kenneth D, Schwinning, Susan, Percent Contribution: 25%, Benavides, Elizabeth Ashley, Percent Contribution: 25%, Drewery, Merritt L, Percent Contribution: 25%. Transdisciplinary Research, Educational and Extension Laboratory, USDA, Federal, $145,616.00. (Submitted: October 2019, Funded: February 2020 - February 2023). Grant.

Asiabanpour, Bahram (Principal), Wagner, Nicole (Co-Principal), Mix, Kenneth D. EverGreen: A Cross-Disciplinary Research-Based Education Program for Hispanic Students at the Food-Water-Energy Intersection, U.S. Department of

Agriculture, Federal, $1,000,000.00. (Funded: September 2016 - June 2021). Grant.

Mix, Kenneth D, Tritsch, Katherine A, Percent Contribution: 100%. Roadblocks to Success: Needs Assessment of Texas Small Producers, Federal, $10,132.00. (Submitted: May 2019, Funded: September 2019 - September 2020). Sponsored Research.

Mix, Kenneth D. Texas State Serving Small Producers (aka The Small Producer Initiative), USDA, Federal, $149,500.00. (Funded: March 2018 - February 2020). Grant.

Mix, Kenneth D. Integrating the Small Producer Initiative with Research and Extension (InSPIRE), USDA - Office of Advocacy and Outreach, Federal, $200,000.00. (Submitted: May 15, 2018, Funded: October 2018 - October 2019). Grant.

Mix, Kenneth D (Principal), Hagelman, Ronald (Co-Principal), Eichler, Matthew (Co-Principal). Boots to Roots: Preparing Female Hispanic Veterans in the Agricultural and STEM Degrees, USDA, $249,935.00. (Funded: March 2015 - March 2018). Grant.
AWARD FACE SHEET - 2015-06460_2009_V0-1.pdf
Project Narrative-1.docx

Eichler, Matthew A, Mix, Kenneth D (Co-Principal), Wagner, Nicole Catherine (Co-Principal). RURAL-V: Reaching Underserved Rural Agricultural Latinos and Veterans, United States Department of Agriculture - Office of Advocacy and Outreach, Federal, $146,342.00. (Submitted: May 2016, Funded: September 30, 2016 - September 29, 2017). Grant.

Morris, Mike (Principal), Sechrist, Peggy (Co-Principal), Teague, Richard (Co-Principal), Mix, Kenneth D (Co-Principal). Soil for Water, Adapting to Long-Term Drought: Grazing Management for Soil Health, Dixon Foundation ($50,000) and Meadows Foundation ($50,000), Private / Foundation / Corporate, $100,000.00. (Submitted: May 2014, Funded: January 2015 - January 2016). Grant.
Dixon proposal-1.pdf
Additional Comments: While the grant was awarded, NCAT removed the TXST funding without notifying me.

Mix, Kenneth D (Co-Principal), Jensen, Jennifer (Principal). Methods to Reduce RoundUp Damage and Yield Suppression from Drift, Brock Consulting Group, $18,000.00. (Funded: November 2015). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Mix, Kenneth D (Principal), Percent Contribution: 50%, Akhtar, Nosheen (Co-Principal), Percent Contribution: 50%. Insight on management practice of Johnson-Su compost to improve soil resilience and fertility, USDA, Federal, $750,000.00. (Funded: September 2026 - August 2030). Grant.
Insight on management practice of Johnson-Su compost - 128709-1.pdf

Mix, Kenneth D (Principal), Percent Contribution: 50%, Akhtar, Nosheen (Co-Principal), Percent Contribution: 50%. A Multifaceted Approach to Analyze the Effect of Soil Carbon Dynamics on Stomatal Regulation and Plants Productivity., USDA, Federal, $650,000.00. (Funded: September 2026 - August 2029). Grant.
A Multifaceted Approach to Analyze the Effect of Soil Carbon Dynamics - 130656-1.pdf

Mix, Kenneth D (Principal), Percent Contribution: 50%, Akhtar, Nosheen (Co-Principal), Percent Contribution: 50%. Exploring the effect of nano-urea, IAA and organic amendment on growth and nutritional status of tomato, USDA, Federal, $649,876.00. (Funded: September 2026 - August 2029). Grant.
Exploring the effect of nano-urea IAA and organic amendment - 130671-1.pdf

Mix, Kenneth D (Principal), Percent Contribution: 40%, Nason, Erica Elizabeth (Co-Principal), Percent Contribution: 30%, Giles, Angela (Co-Principal), Percent Contribution: 30%. Gathering: Strengthening Rural Communities Beyond the Farm Gate, USDA, Federal, $649,999.00. (Funded: March 2026 - February 2029). Grant.
Gathering- Strengthening Rural Communities Beyond the Farm Gate - 131033-1.pdf

Mix, Kenneth D (Principal), Giles, Angela (Co-Principal), Percent Contribution: 50%. SPI Peer Mentor Bookkeeping Program, USDA, Federal, $650,000.00. (Funded: March 2026 - February 2029). Grant.
SPI Peer Mentor Bookkeeping Program - 130359-1.pdf

Mix, Kenneth D (Co-Principal), Percent Contribution: 50%, Akhtar, Nosheen (Co-Principal), Percent Contribution: 50%. Effect of regenerative agricultural practices on soil water conservation and sustainability of orchard (pecan) soil health., Texas Water Development Board, State, $284,079.00. (Submitted: July 2025, Funded: June 2028 - Present). Grant.

Emami, Anahita (Principal), Anderson, Ryan Gerald (Co-Principal), Khaleghian, Seyedmeysam (Co-Principal), Mix, Kenneth D (Co-Principal). Soil Health Monitoring for Regenerative Agriculture, Sony, Private / Foundation / Corporate, $100,000.00. (Submitted: September 15, 2023, Funded: September 2, 2024 - August 31, 2025). Grant.

Mix, Kenneth D (Principal), Percent Contribution: 50%, Akhtar, Nosheen (Co-Principal), Percent Contribution: 50%. Analyzing the impact of soil

conservation practice on soil water availability in pecan orchards, Texas Department of Agriculture, State, $194,846.00. (Submitted: February 18, 2025). Grant.
Analyzing the impact of soil conservation - 119775-1.pdf

Mix, Kenneth D (Principal), Percent Contribution: 50%, Akhtar, Nosheen (Co-Principal), Percent Contribution: 50%. Allelopathic effects of Sorghum x drummondii on Bothriochloa ischaemum and cover crops, USDA, Federal, $299,999.00. (Submitted: September 2024). Grant.
Preview-WS01410510-USDA-NIFA-AFRI-010453-1.pdf

Mix, Kenneth D (Co-Principal), Percent Contribution: 75%. The Small Producer Initiative's – Recruiting Hispanic, Indigenous, and Veteran Farmers for Education in Soil Conservation, Apiculture and Producer Economics (SPIHIVESCAPE), USDA, Federal, $750,000.00. (Submitted: July 2024). Grant.
Preview-WS01368434-OPPE-019-1.pdf

Mondal, Sejuti (Co-Principal), Mix, Kenneth D (Principal), Gard, Ernest R (Co-Principal), Ali, Lokman (Principal). Intergraded Aquaculture-Agriculture Production and Management for the Improvement of Livelihood and Nutrition Status of Marginalized Coastal Communities in Bangladesh, Federal. Grant.

Mix, Kenneth D (Principal), Percent Contribution: 100%. The Impacts of Soil Conservation Practices on Soil Water Availability in Irrigated Pecan Orchards, Texas Water Development Board, State, $180,542.00. (Submitted: April 2024). Grant.
Final Narrative-1.pdf

Mix, Kenneth D (Principal), Percent Contribution: 100%. Equipping the Soil, Plant and Animal Health Research Continuum Laboratory with Soil Water Analytic Instrumentation for Arid Lands Research, USDA, Federal, $149,998.00. (Submitted: January 2024). Grant.
Preview-WS01223449-USDA-NIFA-NLGCA-010248 (1)-1.pdf

Benavides, Elizabeth Ashley (Principal), Percent Contribution: 80%, Mix, Kenneth D (Co-Principal), Percent Contribution: 10%, Kerwin, Sean Michael (Supporting), Percent Contribution: 10%. Development of Novel anthelmintics and antiparasitics derived from plant sources, Federal, $500,000.00. (Submitted: May 2018, Funded: February 1, 2019 - August 1, 2023). Grant.

Mix, Kenneth D. South Central Regional Food Center: Reimagining Regional Food Systems - Get Small and Get In, USDA AMS, Federal, $50,000,000.00. (Submitted: January 2023). Grant.
SubmissionPDF-GRANT13777485-2.pdf
SCRFC Narrative Form - FINAL 1.6.23-1.docx

Liu, Xiangping (Principal), Mix, Ken (Co-Principal), Omana Sudhkaran, Pratheesh (Co-Principal). Cover Crop Trials as a Soil Health Management Tool for Small Farms in Texas, Woodward and Curran Foundation, Private / Foundation / Corporate, $99,630.00. Grant.

Mix, Kenneth D. Creating Stakeholder Interest in Regenerative Grazing for the First Black Heir Ranching Collective, National Fish and Wildlife Federation, Private / Foundation / Corporate, $451,762.00. (Submitted: June 2022). Grant.
Full_Proposal_Narrative_Template_DEI_CPPJune2022-1.doc

Mix, Kenneth D. Connecting communities through smart tools and sensors to deliver enhanced ecosystem services and economic returns from regenerative farmland management, NSF, Federal, $558,000.00. (Submitted: June 3, 2022). Grant.
PSI Project Description SCC-IRG Track 1 FINAL-1.docx
Additional Comments: The requested amount only reflects TXST award, the total was not shared, but exceeded $1.25 million.

Mix, Kenneth D (Principal). Solutions for Equity, Education and Demonstration of Soil Health, Agricultural Regeneration and Extension (SEEDSHARE), USDA-NRCS, Federal, $994,591.00. (Submitted: October 2021). Grant.
Project Proposal Template_Conservation Outreach Racial Equity and Justice Funding Opportunity-1.docx

Minifie, Jana Roberta (Principal), Mix, Kenneth D (Co-Principal), Anderson, Ryan Gerald (Co-Principal). Texas State Food & Agriculture Service-Learning Program, USDA NIFA SPECA, Federal, $300,000.00. (Submitted: February 4, 2021). Grant.

Schwinning, Susan (Principal), Drewery, Merritt L, Mix, Kenneth D, Benavides, Elizabeth Ashley. Animal, Soil, and Plant Immersive Research Experience (ASPIRE) for Underrepresented Undergraduates, USDA, Federal, $499,896.00. (Submitted: July 2020). Grant.
FW_ Review Package for Proposal 2020-09428 Submitted to USDA_NIFA-1.pdf

Mix, Kenneth D (Principal), Drewery, Merritt L. Acquisition of a ICP-OES Spectrometer for use in multidisciplinary agricultural research of the soil, plant, and animal continuum, USDA, Federal, $93,206.00. (Submitted: June 2020). Grant.

Lu, Yuan (Principal), Drewery, Merritt L, Mix, Kenneth D. Acquisition of High Throughput Sequencer to Elevate Agricultural Research, USDA, Federal, $338,350.00. (Submitted: June 2020). Grant.
Review Package for Proposal 2020-07740 Submitted to USDA_NIFA-1.pdf

Serenari, Christopher, Mix, Kenneth D, Konur, Dincer. Soil health, agricultural productivity, and biodiversity: Comparing ecosystem services to improve decision making and adoption, USDA-NIFA-AFRI-007052, Federal, $498,983.00. (Submitted: April 16, 2020). Grant.

Racelis, Alexis (Principal), Drewery, Merritt L (Principal), Mix, Kenneth D (Co-Principal). South Texas Agriculture Roadmap for Training, Research, Experiential Learning, and Careers (STARTREC) in Food, Agriculture, and Natural Resources, USDA, Federal, $1,000,000.00. (Submitted: January 29, 2020). Grant.

Mix, Kenneth D (Principal), Schwinning, Susan (Co-Principal), Benavides, Elizabeth Ashley (Co-Principal), Drewery, Merritt L (Co-Principal), Bell, Natasha L (Co-Principal), Racelis, Alexis (Co-Principal). Preparing the Next Generation for Research, Education, and Outreach in Integrated Agricultural Sciences – NexGenAg, USDA, Federal, $749,993.00. (Submitted: October 1, 2019). Grant.

Mix, Ken, Percent Contribution: 18.75%, Omana Sudhakaran, Pratheesh (Co-Principal), Percent Contribution: 8%. The Small Producer Initiative’s Research and Integrated Technology for Agriculture (SPIRIT-Ag), Federal, $747,308.00. (Submitted: August 2019). Grant.

Additional Comments: Unfunded

Omana Sudhakaran, Kenneth D (Co-Principal), Percent Contribution: 50%. The Small Producer Initiative’s Research and Integrated Technology for Agriculture (SPIRIT-Ag), USDA, Federal, $747,308.00. (Submitted: August 15, 2019). Grant.

Mix, Kenneth D (Principal), Dey, Madan Mohan (Co-Principal). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, USDA-NIFA, Federal, $598,372.00. (Submitted: February 2018). Grant.

Mix, Kenneth D (Principal), Dey, Madan Mohan (Co-Principal), Wagner, Nicole Catherine (Co-Principal). GO-LOCAL, USDA, Federal, $599,999.00. (Submitted: February 2018). Grant.

Dey, Madan Mohan, Mix, Kenneth D, Morrish, Douglas G. Developing a Master of Science Program in Integrated Agricultural Sciences at Texas State University ("Go Integrated"), National Institue of Food and Agriculture - Higher Education Graduate Fellowship Grant Program, Federal, $246,000.00. Grant.

Tate, Jitendra S (Principal), Percent Contribution: 50%, Mix, Kenneth D (Co-Principal). Natural Novel Fiber Crops from Arid Lands for Eco-friendly Sustainable Composite Materials, Improving Solid Health, and Enhancing Water Preservation, USDA-AFRI, Federal, $299,629.00. (Submitted: September 2017). Grant.

Dey, Madan Mohan, Wang, Kaipeng, Sitienei, Isaac, Mix, Kenneth D. Identifying and Testing Strategies to Increase Fish, Fruit, and Vegetable Consumption of Children in High-Risk Populations in the U.S., Federal, $1,646,709.00. (Submitted: June 2017). Grant.

Mix, Kenneth D (Principal), Dey, Madan (Co-Principal), Benavides, Elizabeth (Co-Principal), Joshi, Bhoj (Co-Principal), Upadhyaya, Hari (Co-Principal). The potential of 4 different crops on integrated small stakeholder agriculture in the Tarai, Siwalik and Middle Mountain regions of Nepal, $749,994.63. (Submitted: 2016). Grant.

Dey, Madan M (Principal), Mix, Ken (Co-Principal), Wagner, Nicole (Co-Principal), Sitienei, Isaac (Co-Principal). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, Federal, $200,000.00. (Submitted: December 8, 2016). Grant.

Dey, Madan Mohan (Principal), Mix, Kenneth D (Co-Principal), Wagner, Nicole Catherine (Co-Principal), Eichler, Matthew A (Supporting). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, United States Department of Agriculture - National Institute of Food and Agriculture, Federal, $598,080.00. (Submitted: December 8, 2016). Grant.

Additional Comments: Senior Personnel on Grant. Total budgeted Salary and FB = $12013

Dey, Madan Mohan (Principal), Mix, Kenneth D (Co-Principal), Wagner, Nicole Catherine (Co-Principal), Eichler, Matthew A (Supporting). GO LOCAL: Integrated Farming for Underserved Beginning Farmers in Texas, United States Department of Agriculture - National Institute of Food and Agriculture, Federal, $598,080.00. (Submitted: December 8, 2016). Grant.

Additional Comments: Senior Personnel on Grant. Total budgeted Salary and FB = $12013

Asiabanpour, Bahram (Principal), Mix, Kenneth D (Co-Principal), Yu, Qingkai, Aslan, Semih, Salamy, H, Jimenez, Jesus (Co-Principal), Ortiz, Araceli Martinez. Strong Roots: Empowering students through engineering-agriculture cross-disciplinary collaboration in sustainability, USDA HSI, Federal, $298,350.00. (Submitted: 2014). Grant.

Minifie, Jana (Principal), Mix, Kenneth D (Co-Principal). Development of a Process for Protected Designation of Origin (PDO) Concept for U.S. Specialty Agricultural Products, USDA, $495,380.00. (Submitted: February 19, 2014). Grant.

Asiabanpour, Bahram (Principal), Mix, Kenneth D (Co-Principal), Yu, Qingkai (Co-Principal), Martinez Ortiz, Araceli (Co-Principal), Salamy, Hassan (Co-Principal), Aslan, Semih (Co-Principal), Jimenez, Jesus (Co-Principal). Strong Roots: Empowering Students through Engineering-Agriculture Cross-Disciplinary Collaboration in Sustainability, USDA, $299,650.00. (Submitted: February 19, 2014). Grant.

Mix, Kenneth D (Principal), Krysher, Sheyenne (Co-Principal), Hagelman, Ronald (Co-Principal), Eichler, Matthew (Co-Principal). Boots to Roots: Preparing Female Hispanic Veterans in the Agricultural and STEM Degrees, USDA, $249,935.00. (Submitted: February 11, 2014). Grant.

Yihong Chen, Maggie (Principal), Mix, Kenneth D (Co-Principal). Fully Graphene-Based Printable Solar-Voltaic Sheets for Conjunctive Electrical and Crop Production, National Science Foundation, Private / Foundation / Corporate, $429,600.00. (Submitted: February 19, 2013). Grant.

Mix, Kenneth D (Principal), Gandonou, Jean-Marc (Co-Principal), Hagelman, Ronald (Co-Principal), Eichler, Matthew (Co-Principal). Preparing Hispanic Veterans in the Urban Agricultural System, USDA, $299,000.00. (Submitted: February 11, 2013). Grant.

Gandonou, Jean-Marc (Principal), Vattem, Dhiraj (Co-Principal), Mix, Kenneth D (Co-Principal). Recruitment and Retention of High School Hispanic Students from Central Texas Through Peer Mentoring, Parental Outreach, and Internships, USDA, $299,000.00. (Submitted: February 11, 2013). Grant.

Gandonou, Jean-Marc (Principal), Cade, Tina M. (Co-Principal), Mix, Kenneth D (Co-Principal). Recruitment and Retention of High School Hispanic Students from Central Texas, USDA, Federal, $249,960.00. (Submitted: February 9, 2012). Grant.

Tate, Jitendra S. (Principal), Londa, Michelle (Co-Principal), Hu, Jiong (Co-Principal), Saucier, Philip R (Co-Principal), Charles, Joni S. (Co-Principal), Stapleton, Willliam (Co-Principal), Mix, Kenneth D (Co-Principal), Kim, Yoo Jae (Co-Principal). Semi-Arid Regional Alliance for Sustainable Building and Construction (SARAS B&C), National Science Foundation, Federal, $1,998,194.00. (Submitted: February 1, 2012). Grant.

Mix, Kenneth D (Principal), Currit, Nathan A. (Co-Principal), Gandonou, Jean-Marc (Co-Principal), Wright, Walter A. (Co-Principal), Roberts, Susan (Co-Principal), Hardy, Thom (Co-Principal). WSC-Category 1: Development of a

Transferable Conceptual and Analytical Framework, National Science Foundation, Federal, $148,529.00. (Submitted: October 19, 2011). Grant.
Water Sustainability and Stability of an Agro-1.doc
SUMMARY-1.docx
BUDGET-1.xlsx
Abstract-1.docx

Gandonou, Jean-Marc (Principal), Mix, Kenneth D (Co-Principal). Increasing Diversity in Agricultural Marketing, Management and Science and Training, USDA, Federal, $108,000.00. (Submitted: August 22, 2011). Grant.

Sansom, Andrew (Principal), Blount, Meredith (Co-Principal), Mix, Kenneth D (Co-Principal). Integrated Ecosystem Management for Conservation of Biodiversity in Bahia de Jiquilisco, EcoViva-USAID, Federal, $1,383,092.00. (Submitted: April 29, 2011). Grant.

Gandonou, Jean-Marc (Principal), Cade, Tina M. (Co-Principal), Mix, Kenneth D (Co-Principal), Mandel Buratti, Jennifer (Co-Principal). Recruitment and Retention of High School Hispanic Students, USDA CSREES, Federal, $249,995.00. (Submitted: March 15, 2011). Grant.

Gandonou, Jean-Marc (Principal), Mix, Kenneth D (Co-Principal). Strengthening Texas State University Global Competitiveness and Graduate Sustainability, USDA CSREES, Federal, $149,976.00. (Submitted: January 26, 2011). Grant.
International Science and Education Grant Proposal 2011 - Field 8 Project Narrative-1.docx

3. Funded Internal Grants and Contracts:

Zakhidov, Alexander (Principal), Percent Contribution: 20%, Beall, Gary W, Percent Contribution: 20%, Mix, Kenneth D, Percent Contribution: 20%, Miyahara, Yoichi, Percent Contribution: 20%, Jin, Tongdan, Percent Contribution: 20%. Practical Flexible Solar Cells, MWI. Team Solar-Flex, Texas State University, $10,000.00. (Submitted: March 8, 2019). Grant.

Mix, Kenneth D (Principal), Gandonou, Jean-Marc (Co-Principal). Facing Climate Change and Drought with the Application of a Soil Surfactant to Improve Precipitation Infiltration, Texas State University-Research Enhancement Program (REP), $8,290.00. (Submitted: October 2011, Funded: January 2012 - Present). Grant.
Surfactant - MANU-1.doc

Mix, Kenneth D (Principal). The Students' Sustainable Farm, Texas State University-Environmental Service Committee (ESC), $45,600.00. (Funded: October 2011 - Present). Grant.

Mix, Kenneth D (Principal), Liu, Xiangping (Co-Principal). Economic Modeling of Soil Carbon Sequestration Resulting From Agricultural Soil Health Practices, Texas State University Research Enhancement Program, Texas State University, $5,538.00. (Submitted: October 13, 2020, Funded: December 15, 2020 - December 31, 2021). Grant.

Benavides, Elizabeth Ashley (Principal), Percent Contribution: 60%, Mix, Kenneth D (Co-Principal), Percent Contribution: 20%, Kerwin, Sean Michael (Co-Principal), Percent Contribution: 10%, Rohde, Rodney E (Co-Principal), Percent Contribution: 10%. Development of Novel anthelmintics and antiparasitics derived from plant sources, Institutional (Higher Ed), $30,000.00. (Submitted: May 2017, Funded: August 1, 2017 - August 1, 2018). Grant.

Tate, Jitendra S (Principal), Percent Contribution: 100%, Mix, Kenneth D (Co-Principal). Ragweed to Riches via Sustainable Agriculture and Composites, Speed Networking, Texas State University, $2,500.00. (Funded: June 1, 2017 - June 30, 2018). Grant.

Wescott, Daniel (Principal), Rhode, Rodney (Co-Principal), Mix, Kenneth D (Co-Principal). Examination of Upper Threshold Events on the Necrobiome Associated with Human Decomposition In A Subtropic Ecosystem, Multidisciplinary Internal Research Grant (MIRG), $25,000.00. (Funded: May 2015). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Liu, Xiangping (Principal), Mix, Ken (Co-Principal). Strategies for small producers to cope with conflicting agricultural policy requirements, Texas State University REP, Texas State University, $16,000.00. (Submitted: October 5, 2019). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: MWI/CoSearch Team funding.
April 1, 2019 - March 30, 2020

Fellowship Recipient: Climate Change, Global Food Security and the U.S. Food System, National Center for Atmospheric Research Fellowship.
2016
Additional Comments: Boulder, Colorado

Award / Honor Recipient: Presidents Award for Excellence in Teaching.
2015

Fellowship Recipient: Rob and Bessie Welder Wildlife Foundation Fellowship.
2001 - 2003
Additional Comments: $33,000

Award / Honor Recipient: Clyde Hibb's Memorial Scholarship, Ball State University, Dept. of Nat. Res. and Env. Management.
1999
Additional Comments: $1,000

Award / Honor Recipient: Farmland Conservation Club Scholarship.
1999
Additional Comments: $1,000

Award / Honor Recipient: Outstanding Student Service Award, Ball State University, Dept. of Nat. Res. and Env. Management.
1999

Award / Honor Recipient: Cinergy Energy Corporation Scholarship.
1998
Additional Comments: $1,000

Award / Honor Recipient: Soil and Water Conservation Society Scholarship.
1998
Additional Comments: $500

F. Media Recognition:

Internet, Small Producer Initiative. (January 2025).
Small Producers Initiative-1.pdf
Additional Comments: My programs webpage is here:
https://www.smallproducersinitiative.org/

Magazine, Texas Water News. (July 2024).
Getting back to our roots How improved soil health can lead to better water conservation Texas Wa-1.pdf
Additional Comments:
https://texaswaternewsroom.org/articles/getting_back_to_our_roots_how_improved_soil_health_can_lead_to_better_water_conservation.html

Podcast, SoilSisters. (November 2025).

Additional Comments: https://txsoilsisters.co/podcast/regenerative-ag-education

Radio, KKYX - Roy Holley Show. (January 11, 2018).

newsletter, Holistic Management International newsletter. (January 2025).
Pure Pastures Workshop Texas Small Producers Real-World Regen Ag Insights-1.pdf

newsletter, Plant It Forward newsletter. (January 2025).
Plant It Forward 8-4660-1.pdf
Additional Comments:
https://plantitforward.farm/portfolio-items/blogapprentices/

IV. SERVICE

A. Institutional

1. University:

Member, College Curriculum Committee. (2011 - Present).

Member, Academic Standards Committee. (2016 - 2019).

Chair, 2nd Annual Small Producer Conference. (June 2018 - August 2018).

Chair, Steering and Conference Planning Committee for the 1st Annual Small Agriculture Conference. (2017).

Chair, Steering Committee for the Small Agriculture Stakeholder Planning Meeting. (2015).

2. College:

Member, REP Review Committee. (September 2025 - November 2025).

Member, College of Science Curriculum member. (January 2025 - September 2025).

3. Department/School:

Co-Supervisor, Graduate - Undergraduate 102 Teaching and Research Laboratory. (January 2018 - Present).

Chair, Curriculum Committee. (2016 - Present).

Member, Spring Career Development Event. (2011 - Present).

Chair, Curriculum Committee. (January 2025 - December 2025).

Member, Personnel Committee. (January 2025 - December 2025).

Member, Search Committee Plant Scientist. (January 2025 - May 2025).

Member, Search Committee Crop Science. (January 2025 - April 2025).

Member, Ag Mechanics Search Committee. (January 1, 2019 - 2019).

Member, Library Committee. (2011 - September 2019).

Member, Animal Science Faculty Search Committee. (September 2018 - December 2018).

Member, Ag Economist Faculty Search Committee. (January 2018 - May 2018).

Member, AgroEcologist Faculty Search Committee. (January 2018 - May 2018).

Member, Curriculum Committee. (2011 - 2016).

B. Professional:

Reviewer / Referee, Polytechnic University of the Philippines (PUP) - Journal of Science and Technology (PUPJST), Manila, Philippines. (August 2018 - Present).

Coordinator / Organizer, The Southern Family Farmers and Food Systems Conference, San Marcos, TX, United States. (September 2022 - August 2023).
FINAL PROGRAM - 2023-1.pdf
Additional Comments: This is the largest non-Texas A&M conducted or supported farmer conference in Texas.

Reviewer / Referee, Texas Department of Agriculture, Austin, TX, United States. (May 2022 - August 2022).
TDA 2022-1.pdf
Additional Comments: Reviewer of Specialty Crop Block Grant proposals

Coordinator / Organizer, The Southern Family Farmers and Food Systems Conference 2022, San Marcos, TX, United States. (September 2021 - August 9, 2022).
SFFFCon Conference Program 7.22-1.pdf

Coordinator / Organizer, The Southern Family Farmer's and Food Systems Conference 2021, San Marcos, TX, United States. (September 2020 - September 2021).
2021 SFFFS Program final (325)-1.pdf
Additional Comments: As the Project Director of The Small Producer Initiative I coordinated and chaired the Southern Family Farmer's and Food Systems Conference here at Texas State University

Reviewer / Referee, Texas Department of Agriculture, Austin, United States. (May 2021 - August 2021).
TDA 2021-1.pdf
Additional Comments: Reviewer Specialty Crop Block Grants for TDA

Coordinator / Organizer, The Farm and Food Leadership Conference 2000. (September 2019 - October 2020).
2000 Farm and Food Leadership Conference-1.pdf
Additional Comments: This conference became virtual because of the COVID19 pandemic. With that format, it enabled a fully national scope of attendees

Coordinator / Organizer, FARM AND FOOD LEADERSHIP CONFERENCE - 2019, SAN MARCOS, TX, United States. (January 1, 2019 - September 1, 2019).
Conference Program 2019 Final -SMALL-1.pdf

Coordinator / Organizer, SMALL PRODUCER'S INITIATIVE CONFERENCE, SAN MARCOS, United States. (January 1, 2018 - December 31, 2018).

Reviewer / Referee, USDA - Enhancing Agricultural Opportunities for Military Veterans (AGVETS) Competitive Grants Program panel, Washington, United States. (May 1, 2018 - May 3, 2018).

Coordinator / Organizer, The Small Producer Initiative Conference, San Marcos, TX, United States. (January 2017 - September 2017).
program for printing1-1.pdf

Agricultural Consortium of Texas; Departmental representative, Fall San Angelo meeting. (2016).

Reviewer / Referee, American Chemical Society. (2016).

TOFGA-FarmAID Member of Round Table Organic Producer workshop. (2016).

Reviewer / Referee, Oxford University Press. (2012).

Reviewer / Referee, Journal of Southwestern Naturalists. (2010 - 2012).

14th Annual Conference of the International Lake Environment Committee. Session Chair, Austin, TX. (2011).

Agricultural Consortium of Texas; Developmental committee 1st Annual Student Symposium, Austin, TX. (2011).

Member, Steering Committee; 14th Annual Conference of the International Lake Environment Committee. (2011).

Reviewer / Referee, Journal of Agriculture and Biotechnology. (2010 - 2011).

Reviewer / Referee, African Journal of Biotechnology. (2010).

C. Community:

NOT FORMAL COMMITTEE, San Antonio Archdicese, San Antonio, TX. (November 2025 - Present).

Additional Comments: Began discussion with the San Antonio Archdiocese on developing a 50 acre research/education and community service farm that would incorporate their new high school dual credit Regenerative Agriculture program, a first for them.

Co-Chair, Southern Family Farmers and Food Systems Conference, San Marcos, TX. (January 2025 - December 2025).
SFFFS Program_Final-1.pdf

Speaker, Plant It Forward, Houston, TX. (August 2025 - November 2025).

Additional Comments: Guest lectures (6, 3hr lecture, 3, 6-hour experiential learning events) for Plant It Forward, a non-profit refugee farming program in Houston, TX.

Chair, Southern Family Farm and Food Systems Conference, San Marcos, TX. (September 2024 - August 2025).
2025 Program_Final-1.pdf

Faculty Sponsor Senior Project: Solar Saffron; Department of Engineering. (2015).

Faculty Sponsor Senior Project: Solar Saffron; Department of Engineering. (2013).

SWIG – Monthly meeting. Vegetable gardening techniques and pest management. (2012).

Texas AgriLIFE - San Marcos Grounds Maintenance Conference - Integrated Pest Management for Cutworms and Armyworms in Turf and Hay. (2012).

D. Organization Memberships:

Pi Alpha Chi. (2012 - 2013).

International Society for the Systems Sciences. (2008 - 2011).