

Curriculum Vitae

Rudy A. Ritz

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EDUCATION:

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| 2009 | Ed. D. Texas Tech University. Agricultural Education
Dissertation: <i>The Effects of a Time Management Seminar on
Stress and Job Satisfaction of Beginning Agriscience Teachers.</i> |
| 1994 | M. S. Texas Tech University. Agricultural Education |
| 1993 | B. S. Texas Tech University. Agricultural Education |

PROFESSIONAL EXPERIENCE:

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| 2015-present | Associate Professor. Texas Tech University. Agricultural
Education & Communications |
| 2009-2015 | Assistant Professor. Texas Tech University. Agricultural
Education & Communications |
| 2008-2009 | Visiting Assistant Professor. Texas Tech University. Agricultural
Education & Communications. |
| 2007-2008 | Adjunct Faculty (Instructor). Texas Tech University.
Agricultural Education & Communications. |
| 2000-2008 | Agricultural Science Teacher. Lubbock-Monterey High School |
| 1996-2000 | Agricultural Science Teacher. Ralls High School |
| 1994-1996 | Agricultural Science Teacher. Menard High School |
| 1993-1994 | Graduate Research and Teaching Assistant. Texas Tech
University. Agricultural Education & Communications. |

LICENSES AND CERTIFICATIONS:

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| 1993 | Texas Teacher Certification. Secondary Agricultural Production |
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MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES:

Professional:

1. American Association for Agricultural Education; 2008 to present
2. Vocational Agriculture Teachers Association of Texas; 1994 to present

Honorary:

1. Gamma Sigma Delta (Honor Society of Agriculture); 2008 to present
2. Alpha Zeta (Agricultural Honorary Fraternity); 1992 to present

HONORS AND AWARDS:

Awards:

1. CASNR Student Agricultural Council Fall Faculty of the Semester, 2019
2. TTU Agricultural Education & Communications - Outstanding Doctoral Student, 2008
4. VATAT - agriscience teacher award for working with television media, 2004
5. KCBD Channel 11 - "Teacher You Can Count On", 2001

Honors:

1. President – TTU Agricultural Education and Communications Alumni Association, 2001-05
2. V. P. -Agricultural Education & Communications Alumni Assoc., 1999-2002

AREA OF EXPERTISE:

The area of expertise is in agricultural education and includes the following:

1. Agricultural Education – Teacher Education Secondary Agriscience
2. Professional Development – Beginning Teacher Work & Family Balance
3. Research – Agricultural Education induction/beginning teacher retention; Water conservation and water management education and outreach; Serving Hispanic students at the undergraduate and graduate levels.

PUBLICATIONS:

Refereed Journals: total published 14

1. Hainline, M. S., Burris, S., **Ritz, R.**, & Ulmer, J. D., (2021). Assessment of educational law in-service needs and perceived competencies of Texas school-based agricultural education teachers. *Journal of Agricultural Education*, 62(1), 291-311. <https://doi.org/10.5032/jae.2021.01291>
2. Gilliam, K., Rayfield, J., Baker, M., **Ritz, R.**, Cummins, R. (2020). Perceptions of Undergraduate Agricultural Education Students on the Effects of Question Difficulty and Post-question Wait-time on Cognitive and Emotional Processes. *Journal of Agricultural Education*, 61(4), 317-328. <http://doi.org/10.5032/jae.2020.04317>
3. Voges, S., Rayfield, J., Doss, W., Lawver, D., **Ritz, R.** (2020). A Comparison of Early Career Agricultural Teacher Training Received, Current Practices and Perceptions of Instructional Methods. *Journal of Agricultural Education*, 61(3), 182-193. <https://doi.org/10.5032/jae.2020.03182>

4. Hainline, M. S., Burris, S., Ulmer, J. D., & **Ritz, R. A.** (2019). School District Superintendents' and Attorneys' Perceptions of the Most Important Educational Law Issues Impacting Agricultural Science Teachers. *Journal of Agricultural Education*, 60(2), 190-209. doi: 10.5032/jae.02190
5. Hendon, T., Hainline, M. S., Burris, S., Ulmer, J. D., & **Ritz, R.** (2019). Perceptions of high school cooperating agricultural teachers on the performance of student teachers. *Journal of Agricultural Education*, 60(1), 41-58. doi:10.5032/jae.2019.01041
6. Frost, K. J., Rayfield, J., Lawver, D., **Ritz, R.** (2018). Allocation of Time Among Preservice Teachers During Their Clinical Experience. *Journal of Southern Agricultural Education Research*, 68(1), 20.
7. Gilliam, K. C., Baker, M., Rayfield, J., **Ritz, R.**, Cummins, R. (2018). Effects of question difficulty and post-question wait-time on cognitive engagement: A psychophysiological analysis. *Journal of Agricultural Education*, 59(4), 286-300.
8. Hainline, M. S., Brenes-Mayorga, B., Morales, S., Boren Alpizar, A., **Ritz, R.**, Burris, S. (2018). Agriculturally-based study abroad experience for Nicaraguan students.. *Journal of International Agricultural and Extension Education*, 25(1), 1-12.
9. Kanyi, M., Lawver, D., **Ritz, R.**, Ulmer, J., Murimi, M., (2017). Attitude and adoption of rainwater harvesting: Influence of gender, awareness and social status. *Journal of International Agricultural and Extension Education*. 24(1), doi: 10.5191/jiaee.2016.24108
10. Quiggins, A., Ulmer, J., Hainline, M. S., Burris, S., **Ritz, R.**, & Van Dusen, R. (2016). Motivations and barriers of undergraduate nontraditional students in the College of Agricultural Sciences and Natural Resources at Texas Tech University. *NACTA Journal*, 60(3), 272-281.
11. Hainline, M. S., Ulmer, J. D., **Ritz, R.**, Burris, S., & Gibson, C. (2015). Career and family balance of Texas agricultural science teachers by gender. *Journal of Agricultural Education*. 56(4), 31-46. doi: 10.5032/jae2015.
12. **Ritz, R.**, Burris, S., Brashears, M. T., Frazee, S. (2013). The effects of a time management seminar on stress and job satisfaction of beginning agriscience teachers. *Journal of Agricultural Education*, 54(3), 1-14. DOI: 10.5032/jae.2013.03001

13. Crutchfield, N., Burris, S., **Ritz, R.** (2013). The relationship of work engagement, work-life balance, and occupational commitment on the decisions of agricultural educators to remain in the teaching profession. *Journal of Agricultural Education*, 54(2). 1-14. DOI: 10.5032/jae.2013.02001
14. **Ritz, R.**, Burris, S., Brashears, T., Frazee, S. (2010). A regional comparison of stress among beginning agriscience teachers. *Journal of Southern Agricultural Education Research*. 60. 67-78.

Refereed Journals: Pending or in review 2

1. Gross, L., **Ritz, R.** (in review). Look on the Bright Side: A Thematic Analysis of Factors which contribute to School-Based Agricultural Education Teachers remaining in the classroom. *Journal of Agricultural Education*.
3. Gorter, E., Burris, S., Harlin, J., **Ritz, R.**, Murphy, T. (in review). Exploring Global Perspectives, Teacher Passion, and Professional Commitment of Second Stage Agricultural Teachers in the Western United States. *Journal of Agricultural Education*.

Practitioner Journals: total published 1

1. Roberts, M. L., Wingenbach, G., **Ritz, R. A.**, Murphy, T. H., Lawver, D. (2020). Self-perceived economic hardship versus financial measures influence on farmer well-being. *Journal of the American Society of Farm Managers & Rural Appraisers*, 107-115.

Refereed Proceedings (Full Manuscripts): total of 22; in review 1

1. Elliot, M., Meyers, C., Burris, S., **Ritz, R.**, (2020). Defining Consumer Perceptions of Sustainable Textiles: A Q Method Study. National, peer-reviewed/refereed. *ACE Annual Conference, Association for Communication Excellence*. (June 2020)
*virtual presentation
2. Elliot, M., Meyers, C., Burris, S., **Ritz, R.**, (2020). Defining Personas of Cotton Producers: A Q Method Study. *American Association for Agricultural Education National Conference*, Oklahoma City, OK. (May 2020) *virtual presentation
3. Jackson, C., **Ritz, R.**, Frazee, S., Doerfert, D., Ripley, J., (2020). Job Satisfaction, Stress, Work Engagement, Work-life Balance, and Occupational Commitment of Extension Professionals. *American Association for Agricultural Education National Conference*, Oklahoma City, OK. (May 2020) *virtual presentation
4. Gorter, E., Burris, S., Harlin, J., **Ritz, R.**, Murphy, T. (2019). Exploring Global Perspectives, Teacher Passion, and Professional Commitment of Second Stage Agricultural Teachers in the Western United States. *American Association for*

Agricultural Education National Conference, Des Moines, IA. (May 2019)

5. Voges, S., Rayfield, J., Lawver, D., **Ritz, R.** (2019). Early Career Agricultural Teachers' Preparation, Practice and Perceptions of Instructional Method Use. *American Association for Agricultural Education National Conference*, Des Moines, IA. (May 2019)
6. Gilliam, K. C., Baker, M., Rayfield, J., **Ritz, R.**, Cummins, R. (2019). Perceptions of undergraduate agricultural education students on the effects of question difficulty and post-question wait-time on cognitive and emotional processes. *American Association for Agricultural Education National Conference*, Des Moines, IA. (May 2019)
7. Gilliam, K. C., Baker, M., Rayfield, J., **Ritz, R.**, Cummins, R. (2019). Effects of question difficulty and post-question wait-time on emotional response: A psychophysiological analysis. *American Association for Agricultural Education National Conference*, Des Moines, IA. (May 2019)
8. Gilliam, K. C., Baker, M., Rayfield, J., **Ritz, R.**, Cummins, R., (2018). Effects of question difficulty and post-question wait-time on cognitive engagement: A psychophysiological analysis. *Proceedings of the American Association for Agricultural Education Conference*, Charleston, SC. (May 2018)
9. Hainline, M. S., Burris, S., **Ritz, R.**, & Ulmer, J. D. (2017). School district superintendents' and attorneys' perceptions of the most important educational law issues impacting the professional security of agricultural science teachers. *American Association for Agricultural Education North Central Region Conference*, Ames, IA. (September 2017)
10. Hainline, M. S., Brenes, B., Morales, **Ritz, R.**, Burris, S., & Boren, A. (2017). A Change in perspective: Agriculturally-based study abroad experience for Nicaraguan students. *The Association for International Agricultural and Extension Education 33rd Annual Conference*, Minneapolis, MN. (May 2017)
11. Durst, L., Meyers, C., Irlbeck, E., **Ritz, R.**, (2016). Adoption of water conservation practices in irrigation management: An application of the theory of planned behavior in the Texas High Plains. *Proceedings of the 2016 Western Region American Association for Agricultural Education Conference*, Tucson, AZ. (September 2016)
12. Hainline, M., Ulmer, J., Burris, S., **Ritz, R.**, (2015). Barriers affecting the balance of Texas agricultural educators' home and work life, by gender. *Proceedings of the 2015 American Association for Agricultural Education Conference*, San Antonio, TX. (May 2015)

13. Hainline, M., Ulmer, J., Burris, S., **Ritz, R.**, (2015). Influence of gender on career and family life balance of Texas agricultural science teachers . *Proceedings of the 2015 Southern Region Association for Agricultural Education Conference*, Atlanta, GA. (February 2015)
14. Gilbert, A., Ulmer, J., Burris, S., **Ritz, R.**, (2014). Identifying the characteristics, use, perceptions, and barriers of the school farm. *Proceedings of the 2014 American Association for Agricultural Education Conference*, Snowbird, UT. (May 2014)
15. Chumbley, B., **Ritz, R.**, Burris, S. & Frazee, S. (2014). A measure of teachers' confidence to integrate STEM within an advanced animal science course. *Proceedings of the 2014 Southern Region American Association for Agricultural Education Conference*, Dallas, TX. (January 2014)
16. Gilbert, A., Ulmer, J., Burris, S., **Ritz, R.** (2013). Identifying the characteristics, use, perceptions, and barriers of the school farm. *Proceedings of the 2013 Western Region American Association for Agricultural Education Conference*, Lubbock, TX. (September 2013)
17. Chumbley, B., **Ritz, R.**, Burris, S. Frazee, S. (2012). Agriscience teachers' confidence levels to teach advanced animal science for science Credit. *Proceedings of the 2012 Western Region of the American Association for Agricultural Education Research Conference*. Bellingham, WA. (April, 2012)
18. **Ritz, R.**, Burris, S., Brashears, T., Frazee, S. (2011). The effects of a time management seminar on stress and job satisfaction of beginning agriscience teachers in West Texas. *Proceedings of the 2011 American Association for Agricultural Education Research Conference*, Coeur d'Alene, ID. (May 2011)
19. **Ritz, R.** (2011). An investigation of pre-service agriscience teacher stress levels, gender, and school size. *Proceedings of the 2011 Western Region of the American Association for Agricultural Education Research Conference*, Fresno, CA. (April 2011)
20. **Ritz, R.**, Burris, S., Brashears, T., Frazee, S. (2010). Regional comparison of stress among beginning agricultural science teachers in Central and West Texas. *Proceedings of the Western Region AAEE Research Conference*, Great Falls, MT. (April 2010)
21. Frazee, S., **Ritz, R.** (1995). A Comparison of the career choice and job satisfaction of scholarship recipients with non-scholarship recipients in a college of agriculture. *Proceedings of the 1995 American Association for Agricultural Education Research Meeting*, Denver, CO. (May 1995)

22. Frazee, S., **Ritz, R.** (1995). A comparison of the career choice and job satisfaction of Houston Livestock Show and Rodeo scholarship recipients with non-scholars in the college of agricultural sciences and natural resources at Texas Tech University. *Proceedings of the Western Region of the AAEE Research Conference*, Phoenix, AZ. (April 1995)

Other Proceedings: total of 2

1. **Ritz, R.**, Engaged Scholarship - Faculty Opportunities to Engage with Community Partners, Texas Tech University Outreach & Engagement, TLPDC, "Outreach and Engagement in the TAWC," Local. (February 18, 2020).
2. Crutchfield, N., Burris, S., **Ritz, R.** (2012). The relationship of work engagement, work-life balance, and occupational commitment on the decisions of agricultural educators to remain in the teaching profession. *Proceedings of the The National Association of Supervisors of Agricultural Education*, Indianapolis, IN. (October 2012)

Refereed Abstracts: total of 1

1. Rathmann, R.J., **Ritz, R.** (2014). Efficacy of iCEV incorporation into a general animal science undergraduate classroom. *Proceedings of the ASAS-ASDS Joint Annual Meeting*, Kansas City, MO (July, 2014).

Refereed Poster Abstracts: total of 12

1. Stone, C., Rayfield, J., Ritz, R., "An Examination of Undergraduates Using Kolb's Nine Learning Style Patterns, *Proceedings of the Western Region American Association for Agricultural Education Conference*, *virtual (September 2020).
2. Freeman, S., Rayfield, J., Murphy, T., Frazee, S., Ritz, R. (2020) An Investigation of Soft Skills Development of Agricultural Education Students Participating in an FFA Career Development Event. *Proceedings of the Western Region American Association for Agricultural Education Conference*, *virtual (September 2020).
3. Stone, C., Doss, W., Rayfield, J., Ritz, R. (2020) Comparing principal and agricultural education teacher perceptions of the importance of FFA activities. *American Association for Agricultural Education National Conference*, Oklahoma City, OK. (May 2020) *virtual presentation

4. Doss, W., Rayfield, J., **Ritz, R.**, Lawver, D. E., Huston, M. (2019). SAE and Me, *Proceedings of the Western Region American Association for Agricultural Education Conference*, Anchorage, Alaska, (September 2019).
5. Godwin, C., Meyers, C., Dobelbower, S., Irlbeck, E., **Ritz, R.** (2017). A case study of the Texas Alliance for Water Conversation's Communication Efforts. *Proceedings of the 2017 Western Region American Association for Agricultural Education Conference, Fort Collins, CO. (September 2017).*
6. Barker, C., Burris, S., Rayfield, J., **Ritz, R.** (2017). Professional status of teacher certification program graduates. *Proceedings of the 2017 Western Region American Association for Agricultural Education Conference, Fort Collins, CO. (September 2017).*
7. Godwin, C., Meyers, C., Dobelbower, S., Irlbeck, E., **Ritz, R.**, National Research Conference, American Association for Agricultural Education, Charleston, SC, "A case study of the Texas Alliance for Water Conservation's communication efforts," National, peer-reviewed/refereed, published in proceedings. (May 2018).
8. Chumbley, S., Chesher, L., **Ritz, R.** (2014). Science process skills in the agricultural science classroom. *Proceedings of the Southern Region American Association for Agricultural Education Conference, Dallas, TX (January, 2014).*
9. Chumbley, S., & **Ritz, R.** (2013). Barriers to New Mexico teachers offering science credit. *Proceedings of the Southern Region American Association for Agricultural Education Conference, Orlando, FL (January, 2014).*
10. Lehman, K., Strong, R., Ritz, R., Lawver, D. (2012). Assessing youth leadership life skills development of female youth within the Nampula, Mozambique Farmer Youth Club. (2011-1076). *Proceedings of the Association for International Agricultural and Extension Education Research Conference, Nakorn Pathom Province, Thailand. (May, 2012).*
11. Kelm, D.W., Dabovich, M., Ritz, R. (2011). Increasing the knowledge of Texas 4-H program livestock leaders through livestock mentor training: Enhancing the knowledge base of Texas 4-H members with livestock projects. *Proceedings of the American Association for Agricultural Education Research Conference, Coeur d'Alene, ID (May, 2011).*
12. Ritz, R., Burris, S. (2009). A profile of an urban agriscience program and FFA participation. *Proceedings of the Southern Region American Association for Agricultural Education Research Conference. Atlanta, GA (February, 2009).*

Books / Book Chapters: Total 1

1. **Ritz, R.** (2015). The lifelong impact of 4-H. Stories from Texas. Chapter: A Solid Foundation. Published for Texas A&M Agrilife Extension Service by Texas A&M University Press, College Station, TX.

Other Publications/Articles: total of 1

1. Burris, S., **Ritz, R.** (2008). Wisdom for the new generation. *The Agricultural Education Magazine*, 80(5), 6-9

Curriculum Materials: total of 24

1. Hainline, M., **Ritz, R.**, Burris, S. (2015). Workbook of the official manual for students of agricultural education. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
2. Hainline, M., **Ritz, R.**, Burris, S. (2015). Teachers key for the workbook of the official manual for students of agricultural education. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
3. Hainline, M., **Ritz, R.**, Burris, S. (2015). Workbook of the parliamentary guide for FFA. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
4. Hainline, M., **Ritz, R.**, Burris, S. (2015). Teachers key for the workbook of the parliamentary guide for FFA. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
5. Carraway, C., **Ritz, R.**, Burris, S. (2013). *Workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
6. Carraway, C., **Ritz, R.**, Burris, S. (2013). *Teachers key for the workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
7. Carraway, C., **Ritz, R.**, Burris, S. (2013). *Workbook of the parliamentary guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.

8. Carraway, C., **Ritz, R.**, Burris, S. (2013). *Teachers key for the workbook of the parliamentary guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
9. Carraway, C., **Ritz, R.**, Burris, S. (2012). *Workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
10. Carraway, C., **Ritz, R.**, Burris, S. (2012). *Teachers key for the workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
11. Carraway, C., **Ritz, R.**, Burris, S. (2012). *Workbook of the parliamentary guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
12. Carraway, C., **Ritz, R.**, Burris, S. (2012). *Teachers key for the workbook of the parliamentary guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
13. **Ritz, R.**, Burris, S. (2011). *Workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
14. **Ritz, R.**, Burris, S., (2011). *Teachers key for the workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
15. **Ritz, R.**, Burris, S. (2011). *Workbook of the parliamentary guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
16. **Ritz, R.**, Burris, S. (2011). *Teachers key for the workbook of the parliamentary guide for FFA*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
17. **Ritz, R.**, Burris, S. (2010). *Workbook of the official manual for students of agricultural education*. Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.

18. **Ritz, R.,** Burris, S., (2010). *Teachers key for the workbook of the official manual for students of agricultural education.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
19. **Ritz, R.,** Burris, S. (2010). *Workbook of the parliamentary guide for FFA.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
20. **Ritz, R.,** Burris, S. (2010). *Teachers key for the workbook of the parliamentary guide for FFA.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
21. **Ritz, R.,** Burris, S. (2009). *Workbook of the official manual for students of agricultural education.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
22. **Ritz, R.,** Burris, S., (2009). *Teachers key for the workbook of the official manual for students of agricultural education.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
23. **Ritz, R.,** Burris, S. (2009). *Workbook of the parliamentary guide for FFA.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.
24. **Ritz, R.,** Burris, S. (2009). *Teachers key for the workbook of the parliamentary guide for FFA.* Houston Livestock Show and Rodeo. Available from Instructional Materials Service, Texas A&M University, College Station, TX.

Invited Presentations: total of 12

1. Ritz, R. (2015). *Teaching Methods, Using the Step Method to Teach Students.* Ector County Master Gardener's. Odessa, TX.
2. **Ritz, R.,** Riley, D., Correa, M., Correa, D. (2013). *If you want to teach agriculture....* Panel discussion regarding the secondary agricultural education teaching profession. In conjunction with the Latinos in Agriculture Conference, San Antonio, TX.
3. **Ritz, R.** (2013). *Transfer of Technological Change to an Extension Clientele.* Professional development presentation to the South Plains District 2 Texas A&M Agrilife Extension Agents. Induction Extension Professionals in years one and two. Lubbock, TX.

4. **Ritz, R.** (2013). *Innovative ways to encourage student research*. Professional development workshop in conjunction with the VATAT Professional Development Conference, Corpus Christi, TX.
5. **Ritz, R., Perkins, D. S.** (2012). *Agriscience fair information forum: tips for agriscience fair beginners*. Professional development workshop in conjunction with the VATAT Professional Development Conference, Amarillo, TX.
6. **Ritz, R.,** (2011). *Professionalism in a youth organization: I've had choices*. Professionalism seminar for members of the Texas 4-H Council presented at the Texas 4-H Council Leadership Training hosted by Texas Tech University College of Agricultural Sciences and Natural Resources, Lubbock, TX.
7. **Ritz, R.,** (2010). *Professionalism in a youth organization: leadership is teaching by example*. Professionalism seminar for members of the Texas 4-H Council presented at the Texas 4-H Council Leadership Training hosted by Texas Tech University College of Agricultural Sciences and Natural Resources, Lubbock, TX.
8. **Ritz, R.,** (2009). *Agriscience fair information forum: tips for agriscience fair beginners*. Professional development workshop in conjunction with the VATAT Professional Development Conference, Lubbock, TX.
9. **Ritz, R.,** (2009). *Professionalism in a youth organization: Putting it all together*. Professionalism seminar for members of the Texas 4-H Council presented at the Texas 4-H Council Leadership Training hosted by Texas Tech University College of Agricultural Sciences and Natural Resources, Lubbock, TX.
10. **Ritz, R.,** (2009). *Thanks for all you do!* A motivational keynote address for Texas Agrilife professionals from the South Plains District 2 Texas Agrilife Extension professional meeting, Lubbock, TX.
11. **Ritz, R., Collins, M., Brashears, M. T.,** (2009). *The agriscience fair and strategies to help improve research SAE's*. Professional development seminar for agriscience teachers, Texas Tech University, Lubbock, TX.
12. **Ritz, R.** (2008). *Time management for beginning teachers*. Professional development workshop presented at the Texas CTE Beginning Teachers Recruitment and Retention Conference, Austin, TX.

Graduate Student Committees:

Completed: total of 58

Chaired or Co-Chaired: total of 17 completed, 5 in progress

Completed Theses or Dissertations: total of 39

1. Gramm, Kimberly Marusak (2023). Challenges with creating a thriving entrepreneur ecosystem at a major university: A mixed method study. Unpublished doctoral dissertation, Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee member)
2. Stone, Cele Chote Stone. A phenomenological study of how leaders influenced the career choice of pre-service agricultural education teachers. Unpublished doctoral dissertation, Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee chair)
3. Odom, Joshua Reed Odom (2023). Who Teaches and Why? Analyzing why individuals choose to pursue a career teaching secondary agricultural science. Unpublished master's thesis. Department of Agricultural Education & Communications, Texas Tech University. (thesis Committee Member)
4. Post, Kimberly (2023). Threats and opportunities: Describing Georgia agricultural producers' access to extension resources. Unpublished doctoral dissertation. Department of Agricultural Education & Communications, Texas Tech University. (dissertation committee member)
5. Lucia, Lisa (2022). Examining barriers to implementing web-based technologies in Texas secondary agricultural education classrooms: A modified Delphi study. Unpublished doctoral dissertation. Department of Agricultural Education & Communications, Texas Tech University. (dissertation committee member)
6. Gross, Loren Clifford (2022). Examining the self-reported effectiveness of school-based agricultural education teachers. Unpublished doctoral dissertation, Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee chair)
7. Oyugi, Millicent (2021). The nexus between agricultural teacher association of Texas mentorship, job satisfaction, burnout, demography, and agriscience teaching self-efficacy. Unpublished doctoral dissertation. Department of Agricultural Education & Communications, Texas Tech University. (Dissertation Committee Member)
8. Baker, Rebecca (2020). Investigating consumer understanding of swine confinement operations through informational multimedia platforms. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)

9. Huston, Matthew (2020). Determining how livestock SAEs impact student self-efficacy in completing skills associated with animal science. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
10. Merchant, Rand (2019). Developing a Longitudinal Survey of cotton weed management practices: An example from West Texas. Unpublished doctoral dissertation. Department of Plan and Soil Science, Texas Tech University. (dissertation committee member)
11. Elliott, Maggie (2019). Perceptions of sustainable textiles: A Q Methodological approach. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
12. Frost, Keith (2019). Programmatic balance in school-based agricultural education: Defining, measuring, and identifying sources. Unpublished doctoral dissertation. Department of Agricultural Education & Communications, Texas Tech University. (dissertation committee member)
13. Roberts, Megan (2019). Selected agricultural students' self-perceived emotional and financial wellbeing. Unpublished doctoral dissertation. Agricultural Education Doc @ Distance Joint Program Texas A&M University/Texas Tech University. (committee co-chair)
14. Voges, Samantha (2018). Early-career agricultural science teachers' preparation, practice, and perception of instructional methods. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
15. Spacek, Amanda (2018). Perceptions of secondary school counselors toward agricultural education in Texas. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
16. Jackson, Caitlin (2018). Job satisfaction and stress of county extension agents in Texas and the relationships between work engagement, work-life balance, and occupational commitment of early and mid-career professionals. Unpublished doctoral dissertation, Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee chair)
17. Gorter, Erin (2018). Exploration of global perspectives, teacher passion, and professional commitment of second stage agriculture teachers in the western United States. Unpublished doctoral dissertation, Agricultural Education Doc @ Distance Joint Program Texas A&M University/Texas Tech University. (dissertation committee member)

18. Pate, Leigha (2018). A qualitative study of agricultural lessons used by Texas teachers in elementary classrooms. Unpublished doctoral dissertation, Agricultural Education Doc @ Distance Joint Program Texas A&M University/Texas Tech University. (dissertation committee member)
19. Gilliam, Kyle, (2018). Effects of question difficulty and post-question wait time on psychophysiological responses and post-treatment exam of agricultural education majors. Unpublished doctoral dissertation. Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
20. Jones, Kelsea Drew (2017). Perceived attitudes of agricultural competitive events by participants and parents of participants at the Houston Livestock Show and Rodeo. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee chair)
21. Barker, Chanie Brooke (2017). Perceived level of preparation, benefit of coursework, and teacher efficacy of program completers in a teacher certification program. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
22. Crist, Delanie Aleene (2017). An exploration of career decision making abilities of undergraduate students within the College of Agricultural Sciences and Natural Resources at Texas Tech University. Unpublished master's thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
23. Freeman, Sharon Marie (2017). An investigation of soft skill development of California agricultural education students participating in an FFA career development event. Unpublished doctoral dissertation, Agricultural Education Doc @ Distance Joint Program Texas A&M University/Texas Tech University. (dissertation committee member)
24. Hainline, Mark 2017). Texas agricultural science teachers' competency of educational law. Unpublished doctoral dissertation. Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
25. Godwin, Cassie (2016). A case study of the Texas Alliance for Water Conservation's communication efforts. Unpublished masters thesis. Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)

26. Durst, Libby (2016). Working with water: An exploration of Texas High Plains Producers' adoption of water conservation practices in irrigation management. Unpublished masters thesis. Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)

27. Hendon, Tori (2016). Perceptions of high school cooperating agricultural teachers on the performance of Texas Tech University student teachers. Unpublished masters thesis. Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)

28. Mejia, Maria (2016). Factors influencing recruitment of natural resource professionals and students in Texas. Unpublished masters thesis. Department of Natural Resource Management, Texas Tech University. (thesis committee member)

29. Coppedge, Richard Howard (2015). An assessment of knowledge and skills competencies for wind energy technician I: A Delphi methodology. Unpublished doctoral dissertation, Agricultural Education Doc @ Distance Joint Program Texas A&M University/Texas Tech University. (dissertation committee co-chair)

30. Street, CassiDe Jana (2015). Student characteristics, influences, and decision factors in college matriculation. Unpublished doctoral dissertation. Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee member)

31. Kanyi, Michael Gachaga (2015). Prioritization of rainwater harvesting: Influence of selected demographics. Unpublished doctoral dissertation. Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee member)

32. Hart, Andrew M. (2015). *Assessing Perceptions of Rural South Plains Under-served High School Students Toward Agricultural College Degrees and Careers*. Unpublished doctoral dissertation, Department of Agricultural Education and Communications, Texas Tech University. (dissertation committee chair)

33. McLellan, Michael Shane (2014). *Organizational and Individual Factors Related to Retention of County Extension Agents Employed by Texas A&M Agrilife Extension Service*. Unpublished doctoral dissertation, Agricultural Education Doc @ Distance Joint Program Texas A&M University/Texas Tech University. (dissertation committee co-chair)

34. Hainline, Mark (2014). *Influence of Gender on Career and Family Balance of Texas Agricultural Science Teachers*. Unpublished masters thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)

35. Quiggins, Ashley (2013). *Motivations and Barriers of Undergraduate Nontraditional Students in the College of Agricultural Sciences and Natural Resources at Texas Tech University*. Unpublished masters thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
36. Gilbert, Angela (2013). *Identifying the Characteristics, Use, Perceptions, and Barriers of the School Farm*. Unpublished masters thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
37. Heckel, Kiersten (2012). *4-H County Extension Agents' Attitudes of Integrating STEM into 4-H Youth Development*. Unpublished masters thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee chair)
38. Edwards, Stephanie (2012). *The Biggest Concerns Facing First Semester Agriscience Teachers from Texas Tech University*. Unpublished masters thesis, Department of Agricultural Education and Communications, Texas Tech University. (thesis committee member)
39. Chumbley, Steven (2011). *Texas agriscience teacher confidence levels to teach advanced animal science for science credit*. Unpublished doctoral dissertation, Department of Agricultural Education and Communications, Texas Tech University. (doctoral committee chair)

Non-Thesis Committee member of: total of 36

***served as chair**

M.S.:

- | | |
|---------------------|------------------|
| 1. Derek Coffee | Completed May 23 |
| 2. Larissa Lopez | Completed Dec 22 |
| 3. Emily Reiley | Completed Aug 22 |
| 4. Josh Vinson | Completed Aug 22 |
| 5. Elizabeth Howe* | Completed May 21 |
| 6. Jacob Baker* | Completed Dec 20 |
| 7. Taylor Dodson* | Completed Dec 20 |
| 8. Jace Fry | Completed May 20 |
| 9. Hunter Parrott* | Completed Dec 19 |
| 10. Andrea Nordman | Completed Aug 19 |
| 11. Amy Kress | Completed May 18 |
| 12. Laramie Nauman | Completed May 18 |
| 13. Miranda Johnson | Completed Dec 18 |

14. Talisa Ferguson	Completed Dec 18
15. Kristie Keys*	Completed Dec 17
16. Casey Jones	Completed Aug 17
17. Shay Beasley	Completed Aug 17
18. Juan Cantu*	Completed Dec 16
19. Michelle Newton*	Completed Aug 15
20. Tatiana Richards	Completed May 15
21. Amber Norris*	Completed May 15
22. Holly Honnicutt	Completed May 14
23. Dean Black	Completed May 14
24. Robyn Lisenbee	Completed May 14
25. Robert Jones	Completed May 14
26. Ilissa Nolan	Completed Dec 12
27. Roxanna Salinas	Completed Aug 12
28. Nacer Annoulah	Completed Aug 12
29. Brian Holladay	Completed May 11
30. Melissa Waggoner	Completed May 11
31. Katey Harkey	Completed May 11
32. Colton Scott	Completed Aug 11
33. Debbie Barnes	Completed Dec 11
34. David Mullins	Completed Dec 11
35. Layne Sheets	Completed Aug 10
36. Josh Limmer	Completed Aug 10

In progress: total of 8

**Chair: total of 2 M.S.: total of 1 Doctoral
M.S.:**

1. Hannah Culak
2. Katherine Baldwin

Doctoral:

1. Clarissa Darby

Committee member of: total of 2 M.S.; total of 3 Doctoral

M.S.:

1. Rachel Mittman
2. Brandon Larranaga

Doctoral:

1. Caitlin Anderson
2. Curt Muhlstein
3. Juan Cantu (Dept of Plant & Soil Science)

Undergraduate Advising:

Advised **25** undergraduates per semester
Co-Faculty Advisor for the Collegiate FFA 2016 to 2022
Advisor for Collegiate 4-H 2009 to 2015

Teaching Responsibilities:

Fall 2023

AGED 5306 History and Philosophy of Agricultural Education
AGED 2304 Ag and Society
AGED 4410 Integrating Science into Agricultural Education
IS1100 RaiderReady Freshman Seminar

Summer 2023

AGED 5306 History and Philosophy of Agricultural Education

Spring 2023

AGED 4306 Student Teaching
AGED 4311 Agricultural Education Senior Seminar
AGED 5308 Adult Education

Fall 2022

AGED 5306 History and Philosophy of Agricultural Education
AGED 2304 Ag and Society
AGED 4410 Integrating Science into Agricultural Education
IS1100 RaiderReady Freshman Seminar

Summer 2022

AGED 5306 History and Philosophy of Agricultural Education

Spring 2022

AGED 4306 Student Teaching
AGED 2300 Introduction to Agricultural Education
AGED 4311 Agricultural Education Senior Seminar
AGED 5308 Adult Education

Fall 2021

AGED 2304 Ag and Society
AGED 4312 Classroom Management in Agricultural Education
AGED 4410 Integrating Science into Agricultural Education
IS1100 RaiderReady Freshman Seminar

Summer 2021

AGED 5306 History and Philosophy of Agricultural Education

ACOM 5307 Methods of Technological Change

Spring 2021

AGED 4306 Student Teaching

AGED 2300 Introduction to Agricultural Education

AGED 4311 Agricultural Education Senior Seminar

AGED 5308 Adult Education

Fall 2020

AGED 2304 Ag and Society

AGED 4312 Classroom Management in Agricultural Education

AGED 4410 Integrating Science into Agricultural Education

IS1100 RaiderReady Freshman Seminar

Summer 2020

AGED 5306 History and Philosophy of Agricultural Education

ACOM 5307 Methods of Technological Change

Spring 2020

AGED 4306 Student Teaching

AGED 2300 Introduction to Agricultural Education

AGED 4311 Agricultural Education Senior Seminar

AGED 5308 Adult Education

Fall 2019

AGED 2304 Ag and Society

AGED 4312 Classroom Management in Agricultural Education

AGED 4410 Integrating Science into Agricultural Education

IS1100 RaiderReady Freshman Seminar

Summer 2019

AGED 5306 History and Philosophy of Agricultural Education

ACOM 5307 Methods of Technological Change

Spring 2019

AGED 4306 Student Teaching

AGED 2300 Introduction to Agricultural Education

AGED 4311 Agricultural Education Senior Seminar

Fall 2018

AGED 2304 Ag and Society

AGED 4312 Classroom Management in Agricultural Education

AGED 4410 Integrating Science into Agricultural Education

IS1100 RaiderReady Freshman Seminar

Summer 2018

AGED 5306 History and Philosophy of Agricultural Education
ACOM 5307 Methods of Technological Change

Spring 2018

AGED 4306 Student Teaching
AGED 2300 Introduction to Agricultural Education
AGED 4311 Agricultural Education Senior Seminar

Fall 2017

AGED 2304 Ag and Society
AGED 4312 Classroom Management in Agricultural Education
AGED 4410 Integrating Science into Agricultural Education
AGED 5306 History and Philosophy of Agricultural Education
IS1100 RaiderReady Freshman Seminar

Summer 2017

AGED 2304 Agriculture and Society (note: doctoral student instruction)
AGED 3302 Transfer of Technology (note: doctoral student instruction)
AGED 5306 History and Philosophy of Agricultural Education
ACOM 5307 Methods of Technological Change

Spring 2017

AGED 4306 Student Teaching
AGED 2300 Introduction to Agricultural Education
AGED 4311 Agricultural Education Senior Seminar

Fall 2016

AGED 4312 Classroom Management
AGED 2300 Introduction to Agricultural Education
AGED 5307 Methods of Technological Change
IS 1100 Freshman Seminar

Summer 2016

AGED 3302 Transfer of Agricultural Technology
ACOM 5307 Methods of Technological Change

Spring 2015

AGED 3333 Developing Secondary Programs
AGED 4311 Agricultural Education Senior Seminar
AGED 4306 Student Teaching

Fall 2015

AGED 2300 Introduction to Agricultural Education (plus a distance section)
ACOM 5307 Methods of Technological Change (plus a distance section)

IS1100 Freshman Seminar (two sections)

Summer 2015

AGED 3302 Transfer of Agricultural Technology

ACOM 5307 Methods of Technological Change

Spring 2015

AGED 3333 Developing Secondary Agricultural Education Programs

AGED 4311 Agricultural Education Senior Seminar

Fall 2014

IS 1100 Freshman Seminar

AGED 2300 Introduction to Agricultural Education

AGED 3302 Transfer of Agricultural Technology

Summer 2014

AGED 3302 Transfer of Agricultural Technology

AGCOM 5307 Methods of Technological Change

Spring 2014

AGED 3333 Developng Secondary Agricultural Education Programs

AGED 4311 Agricultural Education Senior Seminar

Fall 2013

IS 1100 Freshman Seminar

AGED 3302 Introduction to Agricultural Education

AGED 3302 Transfer of Agricultural Technology

Summer 2013

AGED 3302 Transfer of Agricultural Technology

AGCOM 5307 Methods of Technological Change

AGED 5306 History and Philosophy of Agricultural Education

Spring 2013

AGED 3333 Developing Secondary Agricultural Education Programs

AGED 4304 Teaching Agricultural Science in Secondary Schools

ACOM 5307 Methods of Technological Change

Fall 2012

AGED 3302 Transfer of Agricultural Technology

AGED 3313 Management of SAE's

AGED 5306 History and Philosophy of Agricultural Education

Summer 2012

AGED 3313 Management of SAE's

AGCOM 5307 Methods of Technological Change

AGED 5302 Research Methods

Spring 2012

AGED 3313 Management of SAE's

ACOM 5307 Methods of Technological Change

Fall 2011

IS 1100 Freshman Seminar

AGED 2300 Introduction to Agricultural Education

AGED 3302 Transfer of Agricultural Technology

AGED 3313 Management of SAE's

AGED 5306 History and Philosophy of Agricultural Education

Summer 2011

AGED 3313 Management of SAE's

AGED 5306 History and Philosophy of Agricultural Education

Spring 2011

AGED 2302 Effective Technology Use in Agricultural Science Education

AGED 2300 Introduction to Agricultural Education

AGED 4306 Teaching Agricultural Science in Secondary Schools

AGED 4000 Internship

Fall 2010:

AGED 2300 Introduction to Agricultural Education

AGED 3313 Management of Supervised Agricultural Experience Programs

AGED 3302 Transfer of Technology in Agriculture

AGED 4304 Teaching Agricultural Science in Secondary Schools

Summer 2010:

ACOM 5307 Methods of Technological Change

AGED 5302 Research Methods

AGED 3313 Management of Supervised Agricultural Experience Programs

Spring 2010:

AGED 2300 Introduction to Agricultural Education

AGED 2302 Effective Technology Use in Agricultural Science Education

AGED 4304 Teaching Agricultural Science in Secondary Schools

AGED 4000 Internship

Fall 2009:

AGED 3313 Management of Supervised Agricultural Experience Programs

AGED 4302 Transfer of Technology in Agriculture

AGSM 4302 Agricultural Buildings and Environmental Control

Agricultural Buildings and Environmental Control (laboratory)

AGED 4304 Teaching Agricultural Science in Secondary Schools

AGED 4000 Internship

Summary of Teaching Evaluation

Term/Class	Number of Students	Course Objectives (Question #1) Mean	Instructor Overall (Question #2) Mean	Course/Valuable Learning Experience (Question #3) Mean
Fall 23				
AGED 2304	42	4.80	4.80	4.80
AGED 5306	5	4.50	4.25	4.25
AGED 5306	15	4.75	4.38	4.62
RRP 1100	1	19	4.80	4.70
RRP 1100	1	20	4.73	5.00
Summer 23				
AGED 5306	12	4.67	4.56	4.56
Spring 23				
AGED 4311	18	4.30	4.20	4.10
AGED 5308	17	4.56	3.89	4.11
RRP 1100	15	4.67	4.56	4.33
Fall 22				
AGED 2304	84	4.75	4.80	4.75
AGED 5306	7	4.67	4.50	4.50
AGED 5306D	6	3.50	3.25	4.00
RRP 1100	20	5.00	5.00	4.78
RRP 1100	21	4.83	4.83	4.50
Summer 22				
AGED 5306	7	4.50	4.25	4.00
AGED 5306	18	4.33	4.00	3.67
Spring 22				
AGED 4311	12	4.50	4.25	5.00
AGED 5308	3.20	3.20	3.40	3.20
AGED 5308	4.29	4.00	4.14	4.29
Fall 21				
AGED 2304	99	4.76	4.62	4.66
AGED 4312	12	3.57	3.43	3.00
AGED 4410	12	3.33	3.33	3.00
AGED 5306	5	3.75	3.50	3.25

AGED 5306	11	4.50	4.12	4.00
RRP 1100	18	4.90	4.90	4.80
Summer 21				
ACOM 5307	19	4.44	4.11	4.22
AGED 2304	16	4.40	4.40	4.20
AGED 5306	9	4.00	3.60	3.80
AGED 5306	8	4.25	4.25	4.50
Spring 21				
AGED 2300	4	4.55	4.33	4.33
AGED 4311	9	3.50	3.25	3.38
AGED 5308	2	4.17	4.00	4.17
AGED 5308	10	4.36	3.86	3.93
Fall 20	12	4.69	4.69	4.60
AGED 2304	19	3.29	3.00	3.00
AGED 4312	19	3.29	3.21	3.21
AGED 4410	2	4.57	4.29	4.29
AGED 5306	17	4.86	5.00	4.86
RRP 1100	12	4.69	4.69	4.60
Summer 20				
ACOM 5307	10	4.44	4.33	4.33
AGED 2304	30	4.83	4.75	4.75
AGED 5306	10	4.88	4.88	4.88
AGED 2304	12	4.67	4.50	4.67
Spring 20				
AGED 2300	50	4.67	4.57	4.50
AGED 4311	5	4.33	4.33	4.33
AGED 5308	7	4.40	4.80	4.80
AGED 5308	10	4.29	4.29	4.43
Fall 19				
ACOM 5307	7	4.40	4.00	4.00
ACOM 5307	8	4.57	4.57	4.71
AGED 2304	87	4.85	4.74	4.79
AGED 4312	5	4.00	4.00	4.40
AGED 4410	5	4.00	4.00	3.80
IS 1100	20	4.53	4.53	3.87
IS 1100	20	4.73	4.93	4.64
Summer 19				
ACOM 5307	7	5.00	4.80	5.00

AGED 5306	10	4.29	3.86	3.86
AGED 5306	11	4.40	3.40	3.60
Spring 19				
AGED 2300	49	4.45	4.29	4.18
AGED 4303	15	5.00	5.00	4.91
AGED 4311	15	3.31	3.00	3.08

Term/Class	Number of students	Course Objectiv (Question #1) Mean	Instructor Overa (Question #2) Mean	Course/Valuable Learning Experience (Question#3) Mean
Fall 2017				
AGED 2304	51	4.41	4.31	4.26
AGED 4312	21	2.32	2.16	2.16
AGED 4410	24	2.53	2.32	2.26
AGED 5306	19	4.14	4.14	4.29
IS 1100	17	5.00	5.00	4.75
AGED 3302	16	4.38	4.00	4.00
AGED 5306	6	4.50	4.50	4.33
Spring 2017				
AGED 4303	29	3.83	3.97	3.97
AGED 4311	15	4.09	4.13	4.16
AGED 4311	12	4.67	4.83	4.83
Fall 2015				
AGED 2300	44	4.61	4.64	4.64
AGED 2300 D	10	3.83	4.17	4.17
ACOM 5307	6	3.60	3.83	3.50
ACOM 5307 D	8	4.17	3.83	4.00
IS 1100 (004)	18	4.88	4.94	4.59
IS 1100 (015)	12	4.78	4.89	4.44
Summer 2015				
AGED 3302 D	18	3.33	3.67	3.83
ACOM 5307	5	5.00	5.00	5.00
Spring 2015				
AGED 3333	28	4.68	4.64	4.64
Fall 2014				
AGED 3302	29	4.76	4.76	4.76
IS 1100	23	4.78	4.94	4.65
Spring 2014				
AGED 3333	38	4.27	4.24	4.11
AGED 4311	13	4.15	4.15	4.62

Fall 2013				
AGED 2300	40	4.68	4.55	4.60
AGED 3302	30	4.43	4.37	4.20
Spring 2013				
AGED 3333	12	4.25	4.42	4.25
AGED 4304	18	4.11	3.85	4.06
Fall 2012				
AGED 3302	14	4.86	4.71	4.64
AGED 3313	15	4.60	4.60	4.50
AGED 4304	8	4.50	4.38	4.50
Spring 2012				
AGED 3313	23	4.62	4.35	4.30
AGED 4304	8	4.50	4.25	4.50
ACOM 5307	18	3.72	3.44	3.72
Fall 2011				
AGED 2300	14	4.43	4.57	4.36
AGED 3302	17	4.88	4.76	4.41
AGED 3313	14	4.79	4.71	4.77
AGED 4304	6	3.50	3.17	3.83
AGED 5306	8	4.13	3.88	4.00
Spring 2011				
AGED 2300	14	4.50	4.71	4.50
AGED 3313	34	4.18	4.26	4.32
AGED 4304	20	4.55	4.40	4.55
AGED 4001	8	4.25	4.50	4.38
Fall 2010				
ACOM 5307	5	4.20	3.80	3.60
AGED 3302	16	4.44	4.56	4.25
AGED 3313	21	4.86	4.71	4.67
AGED 4304	11	4.45	4.64	4.82
Spring 2010				
AGED 2300	30	4.53	4.50	4.17
AGED 2302	19	4.45	4.36	4.00
AGED 4304	17	4.13	4.06	4.47
Fall 2009				
AGED 3313	27	3.63	3.74	3.74
AGED 4302	13	4.69	4.62	4.69
AGSM 4302	20	4.00	3.29	3.24
AGED 4304	9	5.00	5.00	5.00

Other Teaching Responsibilities

1. AGED 4303 – Curriculum Design and Planning in Agricultural Education. Guest lecture on the Texas Essential Knowledge and Skills in secondary agricultural education, November 2011
2. AGED 5301 Educational Opportunities in Agricultural Education. Guest lecture and demonstration on the Agricultural Experience Tracker record keeping system for agricultural education, October 2011
3. Developed a syllabus and completed documentation for a new agricultural education course, AGED 3333 – Developing Secondary Agricultural Education Programs, September 2011
4. Developed a syllabus and completed documentation for a new agricultural education course, AGED 4311 – Agricultural Education Senior Seminar, September 2011
5. Student teacher supervision at the student's placement in the field (high school agriscience teacher internships).

Grants /Awards: \$6,221,650.00 total requests

total grants funded \$ 434, 635.60 (**ORS-Ritz** portion)

total pending \$ _____(Ritz portion)

*total awards/gifts funded \$ 449,400.00 (Ritz portion)

Total Ritz funded grants/gifts/awards \$ 884,035.60(Ritz portion)

Amount of funded grants including other PI's \$ 6,136,402.00
Portions

Grants Funded:

Awarded

PI: Young Agri-Scientists: Connecting diverse students to each other and FANH careers through experiential learning in mentored research and science communication. (Collaboration with New Mexico State University). Frazee, S. (NMSU Lead Principal Investigator), Hill, N. (PI), Hodnett, F. (PI); Ritz, R. (TTU Lead Principal Investigator), Gibson, C. (PI), Mitchell-McCallister, D. (PI). Sponsored by USDA-NIFA Hispanic Serving Institutions Education Grant, Federal, \$999,934.00. (September 1, 2021 – August 31, 2025). **R. Ritz (40%) \$178,746.20** (funded September 2021)

Co-PI Water Conservation through soil health improvement on the Texas High Plains. (Texas Alliance for Water Conservation). Sponsored by Texas WaterDevelopment Board, State, \$231,468.00. (May 6, 2021 - December 15, 2023). **R. Ritz (20%) \$40,610.80** (funded April 2021)

Co-PI: Professional Development for Agricultural and STEM educators centered around turfgrass science. Young, J. (TTU Lead Principal Investigator), Irlbeck, E. (PI), Ritz, R. (PI). Sponsored by USDA-NIFA Cooperative State Research Ed & Extension Service, Federal \$425,000.00. (June 1, 2022 – May 31, 2026) **R. Ritz (30%) \$ 116, 559.90** (funded November 2021).

Co-PI: An Integrated Approach to Water Conservation for Agriculture in the Texas High Plains (Phase II). Funded by the Texas Water Development Board (Task 6 of TAWC project, total project \$4.48 M) –Departmental Task 6 - \$582,746 (30.75% - \$179,194.40) - Other PI's – C. West, P. Johnson, S. Maas, S. Frazee, C. Meyers, R. Kellison (January 2014 –May 2022). **R. Ritz (4%) \$179,194.40** (funded December 2013)

Gifts/Awards Funded:

* Funds not routed via TTU Office of Research Services.

PI: *Bexar County and Surrounding Counties Agricultural Education Teacher Certification Scholarship Proposal to the San Antonio Livestock Exposition. \$ 2,400.00 (\$2400 – 100%) - (funded June 2021).

PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2019).

PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2018).

PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2017).

PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2016).

- PI: *Benefits of Youth Competition at the Houston Livestock Show and Rodeo (HLSR). Educational Contributions Committee, HLSR. \$ 17,250 (\$13,800-80%) – Other PI: S. Frazee (funded September 2016).
- Co-PI: *Regional Conservation Partnership Program –Proposal (NRCS). \$ 5,000.00– TAWC Outreach and Education (\$387,500) Other partners: HPWD, Other Regional Water Districts, Commodity Groups. PI: Jason Coleman. Other PI's: R. Kellison, P. Johnson , C. West (2015). (note: outreach component from task 6 of TAWC) collaboration with this project involved R. Ritz as author of outreach component (funded April 2016).
- PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2015).
- Co-PI: *Agricultural Education Training Program: HLS&R – \$ 42, 600 – (\$10,650 – 25%) – Other PI's - S. Frazee, S. Burris (funded August 2015).
- PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2015)
- Co-PI: *Agricultural Education Training Program: HLS&R – \$ 42, 600 – (\$10,650 – 25%) – Other PI's - S. Frazee, S. Burris (funded August 2014).
- PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2014)
- PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2013).
- Co-PI: *Agricultural Education Training Program: HLS&R – \$ 42, 600 – (\$10,650 – 25%) – Other PI's - S. Frazee, S. Burris (funded September 2013).
- PI: *Graduate Scholarship Proposal to the San Antonio Livestock Exposition. \$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2012).
- Co-PI: *Agricultural Education Training Program: HLS&R – \$ 42, 600 – (\$10,650 – 25%) – Other PI's - S. Frazee, S. Burris (funded September 2012).

PI: * Graduate Scholarship Proposal to the San Antonio Livestock Exposition.
\$ 20,000 (\$20,000 – 100%) - Other PI's – S. Frazee (funded June 2011).

Co-PI: * Agricultural Education Training Program: HLS&R – \$ 42, 600 –
(\$10,650 – 25%) – Other PI's - S. Frazee, S. Burris (funded September 2011).

Co-PI: *Agricultural Education Training Program: HLS&R – \$ 42, 600 –
(\$10,650 – 25%) – Other PI's - S. Frazee, S. Burris (funded September 2010).

Pending:

PI: *Agricultural Education Teacher Certification Scholarship for Bexar County and Region. San Antonio Livestock Exposition. (\$ 30,000 – 100%) (Submitted October 2021)

Submitted (not funded):

Co-PI: National Science Foundation Grant. Building a Framework for Place-Based Informational STEM Learning at Golf Courses. Young, J., Irlbeck, E., Shin, S. (submitted Dec 2020)

Co-PI: Texas Water Development Board Soil and Water Health grant.
(\$ 550,000 – 9%) TAWC management team. - C. West, PI, R. Kellison, P. Johnson, D. Mitchell-McCallister (submitted April 2019)

PI: USDA – NIFA Hispanic Serving Institution (HSI) Grant. (\$ 250,000) Other PI's - D. Mitchell-McCallister, C. Gibson, K. Schroeder, V. Machado, K. Nelson, S. Longing. (Submitted January 2020)

PI: USDA – NIFA Hispanic Serving Institution (HSI) Grant. (\$ 250,000) Other PI's - D. Mitchell-McCallister, C. Gibson, K. Schroeder, V. Machado, K. Nelson, S. Longing. (Submitted April 2019)

Co-PI: USDA Multi Scholars Grant - *Multicultural Scholars Program: Students of Agriculture engaging in undergraduate research*. \$250,000 total project Other PI's – D. Mitchell-McCallister (Submitted June 2018).

PI: USDA – NIFA Hispanic Serving Institution (HSI) Grant. (\$ 250,000) Other PI's - D. Mitchell-McCallister, C. Gibson, K. Schroeder, V. Machado, K. Nelson, S. Longing. (Submitted May 2018)

- Co-PI: TTU Division of Institutional Diversity, Equity & Community Engagement
Diversity Faculty Development Grant - \$ 5,000 – (1,000 – 20%) –PI -
L. Garcia.
- Co-PI: USDA Multi Scholars Grant - *Multicultural Scholars Program: Students of
Agriculture engaging in STEM learning experience..* \$400,000 total
project (\$ 100,000 – 25%). Other PI's – L. Garcia, C. Casanova, S.
Longing, J. Malaga, M. Brashears (Submitted Sept 2014).
- PI: USDA Multi Scholars Grant - Multicultural Scholars Program: The West
Texas Rural Hispanic Agricultural & Extension Education
Scholars Program. \$360,000 total project (\$ 90,000 – 25%). Other
PI's – L. Garcia, J. Ulmer, M. Baker, C. Akers, J. Colvin,
(Submitted Aug 2013)
- Co-PI: USDA – NRCS Conservation Innovation Grant. Adapting to Drought and
Dwindling Groundwater Supply by Integrating Cattle Grazing into
High Plains Row-Cropping Systems. (\$27, 048.84 – 13%)
Other PI's: Trojan, S., West, C., Johnson, P., Moore-Kucera, J..
(submitted October 2012).
- Co-PI: NSF Plant Genomics – Systematic Analyses of Transcriptome and
Epigenome Landscapes of Integuments Following Pollination and
Double Fertilization in Diploid Cotton . \$ 3 million total project.
(\$368,307 – 30%). TTU PI – T. Wilkins (submitted Feb 2012)
- Co-PI: USDA-NIFA Food Security. Food Security through an Integrated
Systems Approach for Sustainable Plant and Animal Agriculture
(SASPAA) potential of \$ 5 million total project. (\$384,435 – 9%) TTU PI
– D. Doerfert. (submitted February 2012).
- PI: USDA Multi Scholars Grant - Multicultural Scholars Program: The West
Texas Rural Hispanic Agricultural & Extension Education
Scholars Program. \$450,000 total project (\$ 175,695 – 30%).
Other PI's –J. Ulmer, M. Baker, C. Akers, Bobbitt, R., J. Colvin,
(Submitted Aug 2012)
- Co-PI: USDA – NIFA Grant. Streamlined Transfer and Recruitment
Enhancement Model. (\$73, 568.80 – 10%) Other PI's: Akers,
C., Irlbeck, E., Williams, K., Baker, M., Preator, A. (submitted
July 2012).

- PI: National FFA – Demographic Characteristics of FFA Chapters. National FFA Organization \$ 30,000 (\$30,000 – 100%). (submitted May 2011)
- Co-PI: Breaking the Stereotype. Higher Ed Challenge proposal. \$500,000 (\$146,980 – 30%) (submitted April 2011) Other PI's Klein, C., Lawver, D., Dickison, W., Dromgoole, D.
- PI: Expansion of Human Dimensions among Students of Agricultural Sciences and Natural Resources toward Agrilife Extension Careers. USDA SPECA CSREES Challenge Grant. \$49,000 (\$ 49,000 – 100%) (submitted January 2010) Other PI's - Dromgoole, D., Kieth, L., Merten, K.
- Co-PI: Partnership to Advance Academic and Community Capacities for Biodiversity Education, Conservation and Sustainable Economic Development in the Puuc-Chenes Region of Mexico. \$ 150,000 (annually, three year) (\$8,396 – 7%) – TIES U.S. – Partnership. (submitted September 2009) Other PI's - Klein, C., Misra, S., Hopper, N., Segarra, E., Lawver, D., Sharma, J., Perry, G.
- PI: Beginning Farmer and Rancher Development Program. \$250,000 annual (three- year total \$750,000) (\$250,176 – 35%) USDA-CSREES grant. Other PI's - Ulmer, J., Frazee, S., Baker, M., Johnson, J. (submitted May 2009)
- PI: Enhancing Awareness of International Agriculture Among University Students, Faculty, Extension Faculty and Mexican University and Producer Groups. \$150,000 (\$29,755 – 20%) (– USDA ISE grant. Other PI's - Villalobos, C., Lawver, D., (submitted Jan. 2009)

Cash and Gifts-in-Kind

- Co-PI: Evaluation of the National FFA Agriscience Fair (one year). National FFA Association. \$ 1500.00 (\$750 – 50%) -Other PI's – J. Ulmer (funded Sept 2011).

Outreach and Engagement

1. Panel Member – TTU Outreach and Engaged Scholarship professional development activity, TLPDC; (February 2020)
2. TTU Scholarship & Engagement Symposium (presenter) (April 2019)
3. Texas Alliance for Water Conservation (TAWC) Annual Water College (January 2015 to present)
4. Attended the Texas Wildlife Association Convention representing TAWC (July 2015 to present)
5. Texas Alliance for Water Conservation Field Day (annual event) (Fall 2014 to present)

SERVICE TO PROFESSIONAL ORGANIZATIONS

National:

- Member – American Association of Agricultural Education (AAAE) (*2008 to present*).
1. Discussant for Research Session of AAAE National Research Conference – Des Moines, IA (May 2019).
 2. Reviewer for the *Journal of Agricultural Education* (*2010 to present*)
 3. Research Manuscript Reviewer AAAE Research Conference – *Snowbird, UT* (May 2014).
 4. Latinos in Agriculture Conference – TTU Representative *San Antonio, TX* (October 2013).
 5. *Teach Ag* National Campaign – *San Antonio, TX* (October 2013).
 6. Research Manuscript Reviewer AAAE Research Conference – *Columbus, OH* (May 2013).
 7. Latinos in Agriculture Conference – TTU Representative *San Antonio, TX* (October 2012).
 8. Research Manuscript Reviewer AAAE Research Conference – *Ashville, NC* (May 2012).
 9. Judge, AAAE Research Conference - *Coeur d'Alene, ID* (May, 2011).
Research Posters
 10. Research Manuscript Reviewer AAAE Research Conference – *Coeur d'Alene, ID* (May 2011).
 11. Judge, AAAE Research Conference - *Omaha, Nebraska* (May 2010).
Research Posters
 12. Research Manuscript Reviewer AAAE Research Conference – *Lewisville, KY* (May 2010).

13. Research Manuscript Reviewer AAAE Research Conference –
Omaha, NB (May 2009).
14. Judge, AAAE Research Conference – Research Posters *Omaha, NB (May 2009).*

Regional:

1. AAAE Western Region Editorial Board, *Journal of Agricultural Education, (2011 to 2015).*
2. Research Manuscript Reviewer - North Central Region AAAE Research Conference - *Morgantown, WV (January 2014).*
3. Research Manuscript Reviewer - Southern Region AAAE Research Conference – *Dallas, TX (January 2014).*
4. Judge, AAAE Research Conference – *Lubbock, TX (September 2013).*
Research Posters
5. Research Manuscript Reviewer - Southern Region AAAE Research Conference – *Orlando, FL (January 2013).*
6. Judge, AAAE Research Conference – *Bellingham, WA (April 2012).*
Research Posters
7. Research Manuscript Reviewer AAAE Research Conference –
Bellingham, WA (April 2012).
8. AAAE Western Region Professional Development Committee (2009 to 2012).
9. Research Manuscript Reviewer AAAE Research Conference –
Fresno, CA (April 2011).
10. Area I FFA Association Scholarship Selection Committee
11. Research Manuscript Reviewer AAAE Research Conference –
Great Falls, MT (April 2010).
12. Research Manuscript Reviewer AAAE Research Conference –
Lake Tahoe, NV (April 2009).

State:

- Member – Vocational Agriculture Teachers Association of Texas (1994 to present).
1. San Antonio Stock Show – Superintendent of Agricultural Mechanics Marketplace Contest (2017 to present).
 2. Master of Ceremonies - Texas Alliance for Water Conservation Field Day (2014).
 3. Faciliator - Texas Alliance for Water Conservation Field Walk (2014).
 4. Texas Essential Knowledge and Skills writing team – TEKS re-write is a legislative mandate and is lead by the Texas Education Agency. Service is to the Agriculture, Food and Natural Resources TEKS for secondary Agriscience in Texas. (August to October 2014).
 5. Texas FFA Agriscience Fair – Event Superintendent; in conjunction with the Texas FFA Convention (2009 to present).
 6. Texas FFA Cotton CDE – event superintendent (2012 to present).

7. San Antonio Livestock Exposition – Agriscience Fair Superintendent (*2012 to 16*).
8. District FFA Speaking Events facilitator (*April 2013*)
9. Panhandle South Plains Fair – Agricultural Mechanics Project Show assistant superintendent (2008 to 2013).
10. Texas 4-H Roundup – planning and facilitator (*June 2012*).
11. Area I FFA Association Scholarship Selection Committee (*April 2012*).
12. Texas 4-H Roundup – Scholarship Presentation, Collegiate 4-H (*June 2012*).
13. Judge, Area I FFA Prepared Public Speaking (*April 2009*).
14. Texas Agriscience Teachers Leadership Institute – facilitator and group leader; in conjunction with the VATAT Professional Development Conference. (*July 2008*).

University:

1. Graduate Program Review Committee (University Committee Member)
Review of the Department of Biology (2019).
2. Graduate Program Review Committee (University Committee Member)
Review of the Department of Animal and Food Sciences graduate program (2018).
3. Texas Tech University Library Committee (*2012 to present*).
4. Texas Tech Alumni Association – Provided narration for video production (*October 2013*).

College:

Member – Gamma Sigma Delta (*2008 to present*)

1. Search Committee – CASNR Dean search (November 2021 to May 2022)
2. Search Committee – CASNR Leadership Academy director search (*August 2014*).
3. Curriculum Committee - College of Agricultural Sciences and Natural Resources (*2011 to present*).
4. Search Committee - Department of Plant and Soil Sciences, chair search (*May 2014*).
5. Texas Tech University Library Committee (*2013 to present*).
6. Faculty Panel - Recruitment - hosting secondary STEM institute students (*February 2013*).
7. Texas A&M Agrilife Partnership Award; Acceptance Remarks on behalf of CASNR (*January 2013*).
8. CASNR AgriTechsans Interview Committee (*2012*).
9. International Committee - (*Fall 2009*).
10. FFA CDE's Area and District facilitation (*2009 to present*).

Department:

1. Search Committees (2014 to present) – served on four search committees and chaired one.

4. Collegiate 4-H Advisor (2009 to 2017).
2. Departmental Radio Spot (14 appearances).

Other Community/Industry Professional Service:

1. Texas Wildlife Association Member (2011 to present).
2. Lubbock, Cooper Independent School District – CTE Advisory Committee (2013 to present).
3. Lubbock Independent School District – CTE Advisory Council University Representative (2010 to 2015) (2021 to present)
4. Lubbock Independent School District - District Educational Improvement Council (DEIC) (2004 to 2006).
5. State Board of Education Certification (SBEC) Education Certification Test Committee (developed Texas certification exam, (agricultural science) (2003 to 2005).
6. Monterey High School - Professional Improvement Committee (2002 to 2003).
7. Texas Essential Knowledge and Skills (TEKS) Agricultural Science Writing Team; (appointed/nominated by TEA) (1994 to 1995).

Professional Development:

1. *Teacher Education Caucus*, in conjunction with the 2014 AAAE National Conference. Snowbird, UT (May 2014).
2. *How to Design Mixed Methods Research with Validity*, in conjunction with the 2014 AAAE National Research Conference. Snowbird, UT (May 2014).
3. *Raider Ready Faculty Training*, Teaching, Learning and Professional Development Center (August 2013).
4. *Raider Ready Faculty Training*, Teaching, Learning and Professional Development Center (August 2012).
5. *TTU Tenure Academy*, Teaching, Learning and Professional Development Center (November 2011).
6. VATAT Professional Development and Improvement Conference, *Agricultural Experience Tracker record keeping for agriscience* (July 2011).
7. *Multicultural Awareness in Agricultural Education*, in conjunction with the 2011 AAAE National Conference. Coeur d'Alene, ID (May 2011).
8. *Junction Function* IS 1100 Freshman Seminar professional development event, Junction TTU Campus, Junction, TX (March 2011).
9. *TTU Tenure Academy*, Teaching, Learning and Professional Development Center (November 2010).

10. Seventh Annual John M. Burns Conference, *Scholarship of Teaching and Learning*, Teaching, Learning and Professional Development Center (October 2009).
11. *Grant Writing and Proposal Submission*, Presenter – Collette Solpietro, ORS, Teaching, Learning and Professional Development Center (June 2009).
12. *So You Want to Be a Professor* series, Teaching, Learning and Professional Development Center, (September 2008).
13. Sixth Annual John M. Burns Conference, *Scholarship of Teaching and Learning*, Teaching, Learning and Professional Development Center (October, 2008)