

Will Doss

Curriculum Vita

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Education

Doctor of Philosophy **Texas Tech University** **May 2021**
Lubbock, TX

Department of Agricultural Education & Communications
Dissertation Title: *An Experiment on the Effects of Response Mode and the Use of Incentives
When Surveying Secondary School Agricultural Education Teachers*
Overall GPA: 4.0
Major Advisor: Dr. John Rayfield

Master of Science **Texas A&M University** **May 2014**
College Station, TX

Department of Agricultural Leadership, Education, & Communications
Thesis Title: *Factors Identifying the Use of Agricultural Mechanics as a SAE in Texas*
Overall GPA: 4.0
Thesis Advisor: Dr. John Rayfield

Bachelor of Science **Texas A&M University** **May 2012**
College Station, TX

Department of Agricultural Leadership, Education, & Communications
Major: Agricultural Science (Teacher Certification)
GPA: 3.805 (*Magna Cum Laude*)

Certifications

Texas Educator Standard Certificate
Agricultural Science and Technology (Grades 6-12)
Technology Education (Grades 6-12)

Research Interests

Teaching Strategies to Increase Learning and Retention
Effective Preservice Teacher Preparation
Making Supervised Agricultural Experiences Relevant
Research Methodology within Agricultural Education

Post-Secondary Teaching Experience

Texas A&M University – Commerce, Commerce, TX

Assistant Professor in Agricultural Education and Mechanics

September 2021 – Present

AG 532	Scientific Methods of Agriculture Research	Spring 2022
AMC 2303	Agricultural Welding Techniques	Spring 2022
AMC 397	Building and Fabrication Technology	Spring 2022
AGED 371	Agricultural and Youth Leadership	Fall 2021
AMC 315	Agricultural Systems and Technology Management	Fall 2021

Texas Tech University, Lubbock, TX

Adjunct Instructor

June 2021 – August 2021

FCSE 5304	Techniques of Research in FCS Education	Summer 2021
AGED 2300	Introduction to Agricultural Education	Summer 2021

Texas Tech University, Lubbock, TX

Instructor and Doctoral Graduate Teaching Assistant

August 2018 – May 2021

AGSM 2303	Welding and Metal Work	Instructor	Spring 2021
AGED 4306	Student Teaching (Supervised Two Student Teachers)	TA	Spring 2021
AGED 4303	Designing and Integrating the Agricultural Curriculum	TA	Spring 2021
AGED 4311	Agricultural Education Senior Seminar – edTPA Prep	TA	Spring 2021
AGSM 2303	Welding and Metal Work	Instructor	Fall 2020
AGED 3333	Developing Secondary Agricultural Education Programs	Instructor	Spring 2020
AGED 4306	Student Teaching (Supervised One Student Teacher)	TA	Spring 2020
AGED 4311	Agricultural Education Senior Seminar – edTPA Prep	TA	Spring 2020
AGED 3100	Introduction to Teaching	Instructor	Fall 2020
AGED 4404	Methods of Teaching Agriscience in Secondary School	TA	Fall 2019
AGED 2304	Agriculture and Society (Online)	Instructor	Summer 2019
AGED 4306	Student Teaching (Supervised Three Student Teachers)	TA	Spring 2019
AGED 4311	Agricultural Education Senior Seminar	TA	Spring 2019
AGED 3333	Developing Secondary Agricultural Education Programs	TA	Spring 2019
AGSM 3304	Systems in Agricultural Mechanics	TA	Spring 2019
AGED 4404	Methods of Teaching Agriscience in Secondary School	TA	Fall 2018
AGED 3100	Introduction to Teaching	TA	Fall 2018
AGED 2300	Introduction to Agricultural Education	TA	Fall 2018

Texas A&M University, College Station, TX

Graduate Teaching Assistant

Fall 2012 – Spring 2013

AGSC 383	Teaching Agricultural Mechanics	TA	Spring 2013
AGSC 384	Field Experience in Agricultural Science	TA	Spring 2013
AGSC 383	Teaching Agricultural Mechanics	TA	Fall 2012
AGSC 384	Field Experience in Agricultural Science	TA	Fall 2012

Invited Professional Workshops and Presentations

<u>Group</u>	<u>Topic</u>	<u>Year</u>
TTU FCSE 6307	Survey Research Best Practices	2021
TTU AGED 4404	Using Project-based Lessons in edTPA	2020
TTU AGED 4303	edTPA Planning Commentary	2020
TTU AGED 4303	Creating a Scope and Sequence	2020
TTU AGED 5302	Using Scales in Survey Research	2019
VATAT Conference	Successfully Hosting a Student Teacher	2019
TTU AGED 4410	Creating FFA Agriscience Fair Display	2018
	Boards and Manuscripts	
Texas Area VI New Teachers	Effective Communication in a Multi-Teacher Department	2017
Texas Area VI New Teachers	Tips for Beginning Agriscience Teachers in Area VI	2016
Texas A&M Student Teaching Block	What to Expect When You Get Your First Agricultural Science Teaching Job	2015
VATAT Conference	Using myIMS Online Resources in Agricultural Classes	2013
VATAT Conference	Integrating STEM Lessons in Advanced Plant & Soil Science	2012

Publications

Journal Articles In Press

Doss, W., & Rayfield, J. (2021). The importance of FFA and SAE activities: A comparison of Texas principals' and teachers' perceptions. *Journal of Agricultural Education*, 62(4), 125-137. <https://doi.org/10.5032/jae.2021.04125>

Refereed Journal Articles

Doss, W., Rayfield, J., Burris, S., & Lawver, D. (2021). A quantitative content analysis of survey research methods over a 40-year time period in the *Journal of Agricultural Education*.

Journal of Agricultural Education, 62(3), 310-328. <https://doi.org/10.5032/jae.2021.03310>

Spacek, A., Rayfield, J., **Doss, W.**, Lawver, D., & Ritz, R. (2021). Texas high school counselor perceptions of agricultural education. *Career and Technical Education Research*, 46(1), 53-70. <https://doi.org/10.5328/cter46.1.53>

Doss, W., & Rayfield, J. (2021). Comparing Texas principal and agricultural education teacher perceptions of the importance of teaching activities in agricultural education programs. *Journal of Agricultural Education*, 62(1), 1-16. <https://doi.org/10.5032/jae.2021.01001>

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>

Doss, W., Frost, K., & Rayfield, J. (2020). The impact of time spent student teaching on the decision to enter the field: A longitudinal study. *Journal of Agricultural Education*, 61(2), 276-288. <https://doi.org/10.5032/jae.2020.02276>

Jones, S., Doss, W., & Rayfield, J. (2020). Examining the status of middle school agricultural education programs in the United States. *Journal of Agricultural Education*, 61(2), 41-56. <https://doi.org/10.5032/jae.2020.02041>

Doss, W., & Rayfield, J. (2019). Assessing school-based agricultural education teacher familiarity, knowledge, and perceptions of supervised agricultural experience categories. *Journal of Agricultural Education*, 60(3), 206-218. <https://doi.org/10.5032/jae.2019.03206>

Doss, W., Rayfield, J., Murphy, T., & Frost, K.J. (2019). Examining agricultural mechanics projects and their use as supervised agricultural experiences. *Journal of Agricultural Education*, 60(3), 62-79. <https://doi.org/10.5032/jae.2019.03062>

Refereed Paper Presentations at Regional and National Conferences

Doss, W., & Rayfield, J. (2021, May). *A comparison of principals' and teachers' perceptions of the importance of FFA and SAE activities*. Paper presented at the annual National meeting of the American Association for Agricultural Education, Virtual Online. ***Distinguished Research Paper**

Lindsey, H., Doss, W., & Rayfield, J. (2021, May). *Determining factors affecting adult volunteerism in the Texas 4-H program*. Paper presented at the annual National meeting of the American Association for Agricultural Education, Virtual Online.

Doss, W., Rayfield, J., Burris, S., & Lawver, D. (2021, February). *An analysis of survey research methods in the Journal of Agricultural Education over a 40-year time period*. Paper presented at the annual Southern Region meeting of the American Association for Agricultural Education, Virtual Online.

Doss, W., & Rayfield, J. (2021, February). *A comparison of principal and teacher perceptions of the importance of FFA and SAE activities*. Paper presented at the annual Southern Region meeting of the American Association for Agricultural Education, Virtual Online.

Doss, W. L., Frost, K. J., & Rayfield, J. (2020, May). *A longitudinal study on the impact of time spent student teaching on the decision to enter the field*. Paper presented at the annual National meeting of the American Association for Agricultural Education, Virtual Online.

Doss, W. L., Frost, K. J., & Rayfield, J. (2020, February). *A longitudinal study on the impact of time spent student teaching on the decision to enter the field*. Paper presented at the annual Southern Region meeting of the American Association for Agricultural Education, Louisville, KY. ***Distinguished Research Paper**

Doss, W. L., & Rayfield, J. (2019, May). *Assessing school-based agricultural education teacher familiarity, knowledge, and perceptions of supervised agricultural experience categories*. Paper presented at the annual National meeting of the American Association for Agricultural Education, Des Moines, IA.

Doss, W. L., Rayfield, J., & Murphy, T. (2015, May). *Examining agricultural mechanics projects and their use as supervised agricultural experiences in Texas*. Paper presented at the annual National meeting of the American Association for Agricultural Education, San Antonio, TX.

Refereed Poster Presentations at Regional and National Conferences

Doss, W., Rayfield, J. (2021, February). *Using QR codes to gain responses when surveying participants with mixed modes*. Innovative poster presented at the annual Southern Region

- meeting of the American Association for Agricultural Education, Online Virtual Conference.
- Starich, E., **Doss, W.**, & Rayfield, J. (2021, February). *An examination of school-based agricultural education teacher job demand in Texas*. Research poster presented at the annual Southern Region meeting of the American Association for Agricultural Education, Online Virtual Conference.
- Doss, W.**, & Rayfield, J. (2020, September). *A phenomenological view of the effects of COVID-19 on Student Teachers*. Research poster presented at the annual Western Region meeting of the American Association for Agricultural Education, Online Virtual Conference.
- Starich, E., **Doss, W.**, & Rayfield, J. (2020, May). *A comparison of principal and agricultural education teacher perceptions of the importance of SAE activities*. Research poster presented at the annual National meeting of the American Association for Agricultural Education, Online Virtual Conference. ***People's Choice Poster Presentation**
- Stone, C., **Doss, W.**, Rayfield, J., & Ritz, R. (2020, May). *Comparing principal and agricultural education teacher perceptions of the importance of FFA activities*. Research poster presented at the annual National meeting of the American Association for Agricultural Education, Online Virtual Conference.
- Walls, M., **Doss, W.**, & Rayfield, J. (2020, May). *A comparison of FFA activities reported by principals and teachers in secondary agricultural education programs*. Research poster presented at the annual National meeting of the American Association for Agricultural Education, Online Virtual Conference. ***People's Choice Poster Presentation**
- Doss, W. L.**, Hanagriff, R., & Rayfield, J. (2020, February). *A longitudinal analysis of SAE engagement through record book data*. Research poster presented at the annual Southern Region meeting of the American Association for Agricultural Education, Louisville, KY.
- Doss, W. L.**, & Rayfield, J. (2019, September). *A longitudinal study on the impact of time spent student teaching on the decision to enter the field*. Research poster presented at the annual Western Region meeting of the American Association for Agricultural Education, Anchorage, AK. ***People's Choice Poster Presentation**
- Doss, W. L.**, Frost, K. J., & Rayfield, J. (2019, September). *Using Qualtrics to monitor student teacher progress*. Innovative poster presented at the annual Western Region meeting of the American Association for Agricultural Education, Anchorage, AK.
- Doss, W. L.**, Rayfield, J., Ritz, R., Lawver, D., & Huston, M. (2019, September). *SAE and me*. Research poster presented at the annual Western Region meeting of the American Association for Agricultural Education, Anchorage, AK.
- Doss, W. L.**, & Rayfield, J. (2019, May). *Identifying areas of difficulty in teachers' ability to classify supervised agricultural experiences into new SAE categories*. Research poster presented at the annual National meeting of the American Association of Agricultural Education, Des Moines, IA. ***Distinguished Research Poster**
- Doss, W. L.**, Frost, K. J., & Rayfield, J. (2019, May). *Analyzing time spent as an FFA advisor and school based agricultural education teacher during two student teaching cohorts*. Research poster presented at the annual National meeting of the American Association for Agricultural Education, Des Moines, IA.
- Frost, K. J., **Doss, W. L.**, & Rayfield, J. (2019, May). *Comparing the allocation of time of individual student teachers in the roles of FFA advisor and school based agricultural teacher in two cohorts*. Research poster presented at the annual National meeting of the American Association for Agricultural Education, Des Moines, IA.
- Doss, W. L.**, Frost, K. J., & Rayfield, J. (2018, September). *Analyzing time spent as an FFA advisor and school based agricultural education teacher during two student teaching*

- cohorts*. Research poster presented at the annual Western Region meeting of the American Association for Agricultural Education, Boise, ID. ***Best Design Research Poster**
- Frost, K. J., **Doss, W. L.**, & Rayfield, J. (2018, September). *Comparing the allocation of time of individual student teachers in the roles of FFA advisor and school based agricultural teacher in two cohorts*. Research poster presented at the annual Western Region meeting of the American Association for Agricultural Education, Boise, ID.
- Doss, W. L.**, Hanagriff, R., & Rayfield, J. (2013, May). *Using the Texas SAE Builder Tool to assess current interests and students' perceived knowledge concerning supervised agricultural experiences*. Research poster presented at the annual National meeting of the American Association for Agricultural Education, Columbus, OH. ***Outstanding Research Poster Presentation**
- Doss, W.L.**, Hanagriff, R., & Rayfield, J. (2013, February). *Perceptions of Texas FFA scholarship recipients regarding their level of FFA involvement, post-secondary preparation, value of FFA scholarship support, and self-perceived success in higher education*. Research poster presented at the annual Southern Region meeting of the American Association for Agricultural Education, Orlando, FL. ***Distinguished Research Poster Presentation**

Popular Press/Non-Refereed Manuscripts

- Doss, W.**, & Rayfield, J. (2019, March/April). Using inquiry-based instruction to enhance the local agricultural education program. *The Agricultural Education Magazine*, 91(5), 12-13.

Technical Reports

- Doss, W.**, & Rayfield, J. (2020). *Comparison of principal and agricultural education teacher perceived importance of agricultural education program activities study results*. Lubbock, TX: Texas Tech University Department of Agricultural Education & Communications.

Curriculum and Instructional Materials

- Rayfield, J., & **Doss, W.** (2019). Bayer new employee training modules for cotton seed production. Lubbock, TX: Bayer Crop Science.
- Doss, W.**, Ritz, R., & Rayfield, J. (2018). Workbook of the Official FFA Manual for students of agricultural education. College Station, TX: Instructional Materials Service.
- Doss, W.**, Ritz, R., & Rayfield, J. (2018). Teacher's Key for the workbook of the Official FFA Manual for students of agricultural education. College Station, TX: Instructional Materials Service.

Awards and Honors

AAAE National Conference Distinguished Research Paper Award	2021
Texas Tech University AT&T Chancellor's Fellowship	2020
Houston Livestock Show and Rodeo Graduate Fellowship	2020
AAAE National Conference Research Poster People's Choice Award	2020
Texas Tech Graduate School Dissertation Funding Award (\$1,000)	2020
AAAE Southern Region Distinguished Research Paper Award	2020
Texas Tech University AT&T Chancellor's Fellowship	2019
Houston Livestock Show and Rodeo Graduate Fellowship	2019

AAAE Western Region Travel Scholarship	2019
AAAE Western Region People's Choice Research Poster Presentation	2019
AAAE National Conference Distinguished Research Poster Award	2019
Texas Tech University AT&T Chancellor's Fellowship	2018
Houston Livestock Show and Rodeo Graduate Fellowship	2018
Lewis Eggenberger Endowed Fellowship	2018
AAAE Western Region Best Design Research Poster Award	2018
Texas FFA Honorary State Degree	2018
Van High School Teacher of the Month	2017
Van High School Teacher of the Month	2016
Van High School Teacher of the Month	2015
AAAE Outstanding Thesis Nominee from Texas A&M University	2015
Bryan High School Teacher of the Month	2014
AAAE National Conference Outstanding Research Poster Award	2013
AAAE Western Region Distinguished Research Poster Award	2013
American FFA Degree	2009

Professional Committee Appointments

Mineola District FFA Teacher Vice President	2017-2018
Van Zandt County Fair Livestock Show Vice President	2017-2018
Van Zandt County Fair Livestock Committee	2015-2018
Van Independent School District Safety Committee	2015-2018

Professional Service

Texas FFA State Agricultural Issues LDE Judge	2021
Texas A&M – Commerce CASNR Scholarship Committee Member	2021
Texas FFA Area V LDE Agriculture Issues Judge	2021
AAAE Southern Region Conference Research Poster Reviewer	2021
AAAE Southern Region Conference Research Paper Reviewer	2021
Texas A&M University – Commerce Invitational LDE Contest Superintendent	2021
Texas FFA State Speaking Development Events Scoring	2021
Texas Tech State FFA CDE Competitions Scantron Scoring	2021
Texas Tech Area I and II FFA ATMS CDE Contest Official	2021
Magnolia-West FFA Chapter Officer Selection Judge	2020
Texas Tech Collegiate FFA Advisor	2020
Texas Tech University Connect Tech Recruiting	2020
AAAE National Innovative Poster Reviewer	2020
Texas Tech AECGO Treasurer	2020
Texas Tech Graduate School Dean 5-Year Review Focus Group	2019
Texas Tech Invitational LDE Event Coordinator	2019
Texas Tech AECGO Treasurer	2019
AAAE Western Region Innovative Poster Reviewer	2019
Texas Tech State FFA CDE Competitions Scantron Scoring	2019
Texas Tech Area I and II FFA ATMS CDE Contest Official	2019
AAAE National Conference Room Facilitator	2019
AAAE National Innovative Poster Reviewer	2019
Texas Tech Collegiate FFA Advisor	2019

Texas FFA Area I Prepared Public Speaking Judge	2019
Texas FFA Area II Prepared Public Speaking Judge	2019
San Antonio Junior Agricultural Mechanics Show Judge	2019
Texas Tech Collegiate FFA Advisor	2018
Texas Tech Invitational LDE Event Coordinator	2018
Cooperating Teacher for Texas A&M University-Commerce (Travis Jeffcoat)	2018
Texas FFA Association, Area VI, Paris District LDE Judge: Jr. & Sr. Quiz	2017
Cooperating Teacher for Texas A&M University (Kailey Morrison)	2017
Goodheart-Wilcox Agricultural Mechanics Textbook Reviewer	2015
Texas FFA Association State LDE Judge: Greenhand Skills	2015
Houston Livestock Show and Rodeo Agricultural Mechanics Show Judge	2013
San Antonio Junior Agricultural Mechanics Show Judge	2013
Texas A&M University Science Olympiad Agriculture Section Official	2013
Houston Livestock Show and Rodeo Agricultural Mechanics Show Judge	2011

Professional Affiliations

Agricultural Consortium of Texas	2021-Present
American Association for Agricultural Education (AAAE) Member	2013-Present
Agriculture Teachers Association of Texas (ATAT) Member	2012-Present
Association for Career and Technical Education	2020 – 2021
Texas Tech University Chapter of the Honor Society of Phi Kappa Phi	2019 – 2021
Texas Tech Agricultural Education & Communications Graduate Organization	2018 – 2021

Professional Development

Lincoln Electric: EDA American Rescue Plan Act Grant Opportunities (Virtual)	2021
Knowing and Writing to Your USDA AFRI Program, Texas Tech University (Virtual)	2021
Working with Program Officers USDA NIFA, Texas Tech University (Virtual)	2020
edTPA Implementation and Scoring Workshop, Texas Tech University	2020
CH & Helen Jones Foundation Grant Writing Seminar, Texas Tech University	2019
SAE for All: Train the Trainer Workshop, Stephen F. Austin State University	2019
edTPA Deep Dive Workshop, Texas Tech University	2019
Research Poster Creation Graduate Seminar, Texas Tech University	2018
John M. Burns Conference, Teaching Higher Ed, Texas Tech University	2018
Identifying Grants for Research and Project Funding, Texas Tech University	2018
T-TESS Evaluator Training, Educational Service Center, Lubbock, TX	2018
American Welding Society Visual Weld Inspector Training, Houston, TX	2014

Conferences Attended

Blue Ribbon Research Conference (Virtual Attendance)	2021
ATAT Conference, Corpus Christi, TX	2021
National AAAE Conference (Virtual Attendance)	2021
Southern Region AAAE Conference (Virtual Attendance)	2021
Western Region AAAE Conference (Virtual Attendance)	2020
ATAT Conference (Virtual Attendance)	2020
National AAAE Conference (Virtual Attendance)	2020
Southern Region AAAE Conference, Louisville, KY	2020

Western Region AAAE Conference, Anchorage, AK	2019
VATAT Conference, Corpus Christi, TX	2019
National AAAE Conference, Des Moines, IA	2019
Western Region AAAE Conference, Boise, ID	2018
VATAT Conference, Lubbock, TX	2018
VATAT Conference, Arlington, TX	2017
VATAT Conference, Corpus Christi, TX	2016
National AAAE Conference, San Antonio, TX	2015
VATAT Conference, Waco, TX	2015
VATAT Conference, Abilene, TX	2014
National AAAE Conference, Columbus, OH	2013
Southern Region AAAE Conference, Orlando, FL	2013
VATAT Conference, Corpus Christi, TX	2013
VATAT Conference, Amarillo, TX	2012