

## CURRICULUM VITAE

**David R. Drake**  
**Integrated Pest Management (IPM) Extension Agent**  
**Texas A&M AgriLife Extension Service**  
**Department of Entomology – Texas A&M University**  
**Adjunct Professor**  
**Texas A&M University - Commerce**

### **Business Address:**

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### **EDUCATION**

- 2003            **Doctor of Philosophy** - Plant Breeding and Genetics,  
Department of Agronomy, Purdue University
- 1997            **Master of Science** - Plant Breeding and Genetics  
Department of Agronomy, Purdue University
- 1995            **Bachelor of Science** - Plant Science, Minors: Chemistry and Portuguese  
Dept. of Plants, Soils, and Biometeorology Utah State University

### **PROFESSIONAL EXPERIENCE**

2017-present    **Integrated Pest Management (IPM) Extension Agent**  
Texas A&M AgriLife Extension Service  
Department of Entomology- Texas A&M University  
*Overview*-Regional IPM and Crops Extension Specialist for NE Texas,  
Co-Managing 160 acre University Research and Extension Greenville Farm,  
and the Cereal Crops Research Inc. 200 acre Teaching and Extension Farm.  
Conduct agronomic trials from competitive grants and industry funded  
research trials.

#### **Adjunct Professor**

College of Agriculture Sciences and Natural Resources  
Texas A&M University – Commerce  
*Overview*- Teaching PLS 420 Crop Production and PLS 2313 Economic  
Entomology,  
Graduate Faculty Mentoring Graduate and  
Undergraduate Student Mentor including Honors and TrioMcNair scholars.

2009-2017    **Assistant Professor - Extension Agronomist**

Department of Soil and Crop Sciences, Texas A&M University, San Angelo, Texas

*Overview*-Agronomic Extension Specialist covering 43 Counties in West Texas. Conducted Research and Demonstration Trials with County Agents Commodity Groups, and Producer Organizations. Presented results at approximately 30 producer educational programs per year. Co-managed 3 Wheat and Oat Uniform Variety Trial and Breeding Nursery locations. Conducted agronomic trials from competitive grants and industry funded research trials.

2001-2009 **Extension Assistant Professor, Diversified Crops Specialist, and Sevier County Director**, Utah State University Extension, Richfield, Utah  
*Overview*-Conducted and Directed Extension Programming in Sevier County, Conducted a Multi-County Master Gardener Program. Conducted Applied Research Trials in Small Grains, Forages, and Oil Seeds, for Counties in the Utah Southwest Region.

1995-2001 **Graduate Research Assistant, Small Grains Breeding Program**  
Purdue University, West Lafayette, IN  
*Overview*-Graduate research assistant in program of Dr. Herb Ohm Wheat and Oat Breeder. Variety release and plant genetics programs.

1993-1995 **Research Technician, Forage Breeding Program**  
USDA-ARS Forage and Range Research Lab  
Logan UT  
*Overview*-Undergraduate technician in grass and legume breeding program of Dr. Kay Asay.

### **Professional Licenses**

2009-Present Texas Non-Commercial Pesticide Applicator

2001-2009 Utah Non-Commercial Pesticide Applicator

### **Recent Scholarship**

#### **Peer Reviewed Journal Articles**

Singh, V., Maity, A., Abugho, S., Swart, J., **Drake, D.**, & Bagavathiannan, M. (2020). Multiple herbicide-resistant *Lolium* spp. is prevalent in wheat production in Texas Blacklands. *Weed Technology*, 34(5), 652-660. doi:10.1017/wet.2020.23

Yang, C., Odvody, G.N., Thomasson, J.A., Isakeit, T., Minzenmayer, R.R., **Drake, D.R.**, and Nichols, R.L. (2018) Site-Specific Management of Cotton Root Rot Using Airborne and High-Resolution Satellite Imagery and Variable-Rate Technology. *Transactions of the ASABE* Vol. 61(3): 849-858

## **Extension Publications and Popular Press Articles**

Guillen-Portal, F., Garetson, R., Gerrish, B., Neely, C., Bell, J., Trostle, C., Kimura, E., McGinty, J., Noland, R., & **Drake, D.** et al. (2020) 2020 Texas Wheat Uniform Variety Trials. SCS-2020-07

**Drake, D.R.** & Ledbetter, K (2020) Texas A&M AgriLife Research Culminates in New Label for Cotton Root Rot Control in Alfalfa. AgriLife Today July 1, 2020

Neely, C., Gerrish, B., Bell, J., Trostle, C., Kimura, E., McGinty, J., Noland, R., Ramirez, J., & Drake, D. et al. (2019) 2019 Texas Wheat Uniform Variety Trials. SCS-2019-25

**Drake, D.R.**, Mays, T., & Few, J. (2019) Controlling Rust Diseases in Small Grains. Texas Row Crops Statewide Newsletter

Mays, T., **Drake, D.R.**, & Few, J. (2019) Scouting for Bird cherry Oat aphids in Small Grains. Texas Row Crops Statewide Newsletter

**Drake, D.R.** and Knutson, A. (2018) Rating Wheat Varieties for Hessian Fly Resistance at McGregor, Thrall and Lindsey TX, 2017-2018. Texas A&M AgriLife Extension

Neely, C., Gerrish, B., Hathcoat, D., & **Drake, D.** et al. (2018) 2018 Texas Wheat Uniform Variety Trials. SCS-2018-08 Texas A&M AgriLife Extension

Neely, C., Hathcoat, D., & **Drake, D.** et al. (2017) 2017 Texas Wheat Uniform Variety Trials. SCS-2017-10 Texas A&M AgriLife Extension

Neely, C., Hathcoat, D., & **Drake, D.** et al. (2017) 2017 Forage Variety Results Texas Cool-Season Annual Variety Trials. SCS-2017-12 Texas A&M AgriLife Extension

Kimura, E., Bell, J., Trostle, C., Neely, C., and **Drake, D.** (2016) Potential Causes of Yellowing During the Tillering Stage of Wheat in Texas. ESC-040 Texas A&M AgriLife Extension

Neely, C., Hathcoat, D., & **Drake, D.** et al. (2016) 2016 Texas Wheat Uniform Variety Trials. SCS-2016-22 Texas A&M AgriLife Extension

Neely, C., Hathcoat, D., & **Drake, D.** et al. (2016) 2016 Forage Variety Results Texas Cool-Season Annual Variety Trials. SCS-2016-23 Texas A&M AgriLife Extension

## **Conference Proceedings**

**Drake, D.R.**, Voss, C.B., Braley, A.D., Sutton, R.L. (2020). 2019 Cotton Variety Evaluation in Northeast Texas. Proceedings of the Beltwide Cotton Conference Austin, TX Jan 2020.

Voss, C.B., **Drake, D.R.**, Braley, A.D., and Stewart, W.S. (2020). Northeast Texas Cotton Row Spacing by Plant Population Evaluations-2019. Proceedings of the Beltwide Cotton Conference. Austin, TX Jan 2020.

**Drake, D.R.**, Braley, A.D., Sutton, R.L., and Jones, C.A. (2019). Agronomic Comparison of Soft Red Winter and Hard Red Winter Wheat Production in Northeast Texas. ASA-CSSA-SSSA Annual Meeting San Antonio, TX Nov. 2019.

**Drake, D.R.**, (2019) Evaluation of the Ecosheild AG-100 Insecticide Application Technology in Northeast Texas Cotton and Forage Sorghum Production 2017 and 2018. Proceedings of the Beltwide Cotton Conference New Orleans, LA Jan. 2019

**Drake, D.R.** and Knutson, A. (2019) Evaluation of the Strider Field Scouting Technology in Northeast Texas Cotton Production. Proceedings of the Beltwide Cotton Conference. New Orleans, LA Jan. 2019

Lopez, J., Williams, R. L., LaVergne, D. D., & **Drake, D. R.** (2019). Perceived barriers and challenges to study abroad based on academic classification and major within a College of Agricultural Sciences and Natural Resources. *Proceedings of the 2019 Western Region American Association of Agricultural Education Conference, Anchorage, AK.*

**Drake, D. R.**, Lopez, J., Braley, A. D., & Stewart, S. (2018). Northeast Texas cotton variety and plant population evaluation. *Proceedings of the 2018 Beltwide Cotton Conference, San Antonio, TX.*

## **Recent Funding**

**Drake, D.R.**, Braley, A.D., Sutton, R.L., and Jones, C.A. (2020) Industry Awarded Contracts and In-kind Contributions for Agronomic Research \$47,000.

**Drake, D.R.**, Tolleson, M., Braley, A., and Sutton, R. (2020) Soil Nutrient Sustainability in Northeast Texas Corn. \$5,000 Texas Corn Producers Board

**Drake, D.R.**, Braley, A.D., Sutton, R.L., and Jones, C.A. (2019) Evaluation of Critical Inputs to Improve Profitability of Soft Red Winter, Wheat in Northeast Texas: A Multi Year Study. \$10,000 Funded, Texas Wheat Producers Board

**Drake, D.R.**, Braley, A.D., Sutton, R.L., and Jones, C.A. (2019) Industry Awarded Contracts and In-kind Contributions for Agronomic Research \$65,000.

Morgan, G., Nolte, S. and **Drake, D.R.** (2019) Cotton Best Management Practices Texas Cotton Inc. State Support Committee Funded \$23,000.

**Drake, D.R.,** Braley, A.D., Sutton, R.L., and Jones, C.A. (2018) Evaluation of Critical Inputs to Improve Profitability of Soft Red Winter, Wheat in Northsat Texas: A Multi Year Study. \$11,000 Funded, Texas Wheat Producers Board

**Drake, D.R.,** Braley, A.D., Sutton, R.L., and Jones, C.A. (2018) Industry Awarded Contracts for Agronomic Research \$62,200.

### **Career Funding**

**Total Dollars to all PIs \$ 1,214,833 to own program \$902,813.**

### **Teaching Experience**

**PLS 2313 Economic Entomology** including Lab Texas A&M University - Commerce Spring Semester 2017-present

**PLS 420 Crop Practicum** Texas A&M University - Commerce Fall and Spring Semesters 2017-present

**AGRY 321 Genetics Lab** Purdue University – 1998

**PLSCI 555 Weed Science Lab** Utah State University – 1995

### **Graduate Student Committee Involvement**

Co-Advisor-Ph.D. Plant Breeding Student. Texas A&M University – College Station, TX 2019-present

Committee member – (7) M.S. Students Texas A&M University - Commerce 2017-present

Committee member – M.S. student, Angelo State University, San Angelo, TX 2014-2015

### **Mentoring Undergraduate Students**

IPM Summer Interns – (8) 2009-present

McNair Undergraduate Research Scholar – 2017-18

Student Workers and Summer Interns (12) 2006-Present

Advisor, Purdue Chapter of Alpha Zeta, The National Honorary Professional Agriculture Fraternity 1995-2001

### **Service**

Member of the American Society of Agronomy and Crop Science Society of America

Chair and Past Committee Member of Werner L. Nelson Award for Diagnosis of Yield-Limiting Factors

Reviewer for Crop, Forage, and Turf Management Journal

Member of the Texas Extension Specialists Association

Member Texas County Agriculture Agent Association

Reviewer for Texas Journal of Agriculture and Natural Resources

## **International Activity**

Small Grains Grazing Management – **Afghanistan** Delegation Training at San Angelo- 2017

Using Small Grains as Winter Forage – Borlaug Foundation Training – via internet to **Afghanistan** 2016

Agronomic Advisor for Cotton Root Rot Control in Chihuahua, **Mexico** April 2012

Sesame Production and Seed Multiplication Extension Trainings in **Mozambique**, Africa. November 2011

Regional Hybrid Sorghum and Millet Seed Workshop in Niamey, Niger, **West Africa** 1998

Missionary, Church of Jesus Christ of Latter-day Saints. Recife, **Brazil** 1988-1990

## **Professional Honors and Awards**

**Extension IPM Award – 2019** Texas Pest Management Association

**AgriLife Extension Superior Service Team Award** Replicated Agronomic Cotton Evaluation Team 2013.

**AgriLife Extension Superior Service Team Award** Texas Cotton Root Rot Team 2012

**State Early Career Award**, Iota Chapter, Epsilon Sigma Phi (2007) Extension Service Fraternity Utah State University

**Award of Merit in Increasing Access to Higher Education**, Utah System of Higher Education (2005). Distance Master Gardener Trainings Utah State University