

PAUL E. GREEN
DEPARTMENT OF PLANT AND SOIL SCIENCE
TEXAS TECH UNIVERSITY
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EDUCATION:

B.S. in University Studies, Texas Tech University, Lubbock Texas, May 2010

Areas of Concentration: Minor in Agronomy
 Minor in Civil Engineering
 Minor in Mathematics

A.A.S. in Golf Course & Landscape Technology, Western Texas College, Snyder Texas, May 1990

PRESENT POSITION:

2011-Present	Unit Manager, Texas Tech University New Deal Research Facility, Lubbock Texas
Oct. 2004-2011	Field Technician III, Texas Tech University New Deal Research Facility, Lubbock Texas

JOB DUTIES:

Manage the 150-acre Texas Coalition for Sustainable Integrated Systems (TeCSIS) facility for forage research. Duties include managing forage and cattle, monitoring and maintaining irrigation systems, performing and documenting farming inputs and operations in an effort to measure agricultural impacts on the environment and natural resources.

DETAILED WORK EXPERIENCE:

SURVEYING AND PLOT LAYOUT EXPERIENCE:

Experience with research plot layout using a variety of measuring devices and surveying instruments
Experience with Ag GPS FMX Integrated Display and Trimble RTK 1” Accuracy Guidance System used for precision application of herbicides and the farming of multi-crop operations

DETAILED WORK EXPERIENCE:

WATER MANAGEMENT: LICENSES, RESPONSIBILITIES AND EXPERIENCE

State of Texas Class D Water Operator License #WO0019018

Responsible for compliance monitoring, and public water records management in regards to TCEQ Rules and Regulations

Responsible for the documentation and scheduling of all water and fertilizer inputs applied by sub-surface drip and center pivot irrigation systems to AFS and PSS research farm land

Oversight of 5 irrigation wells and 4 filtration systems

Oversight of 2 public water system wells, and 50,000 gallon ground water storage and 200,000 gallon elevated water storage structures

Oversight of 81 sub-surface drip irrigation research paddocks

Oversight of 93 water meters located throughout the Texas Tech New Deal Research Facility

CROP, FORAGE AND LIVESTOCK MANAGEMENT:

Soil sample collection for nutrient analysis

Plant tissue sample collection for feed analysis

Botanical composition evaluation of research pastures

Cultural practice scheduling and implementation (herbicide/pesticide application, irrigation, fertilization and mowing)

Planting of annual crops and forages used in no till farming practices and livestock research

Harvesting of annual and perennial crops and forages (hay harvesting, grass seed harvesting)

Livestock grazing management (attention to stocking rates, forage anti-quality factors and awareness like prussic acid poisoning, nitrate poisoning, and pasture bloat)

OTHER UNIVERSITY DUTIES:

Texas Tech New Deal Research Facility

PSS facility representative for Crops and Soils Barns 803 & 804

Assist Animal and Food Sciences faculty and staff with occasional farm related needs

Assist PSS faculty, staff and technicians with seasonal farm related needs

Assist AgriLife Extension agents and technicians with seasonal farm related needs

Serve as an emergency contact for the New Deal Research Facility

Operate the emergency generator at the Swine Facility during power outages

Operate the emergency generator at Bldg. 816 pumping station during power outages

On site Class D water operator for the Public Water System

Assist the Department of Animal and Food Sciences in the management of a 145-acre research area on the Texas Tech New Deal farm that is dedicated to pasture and livestock research

Texas Tech Quaker Research Farm

Assist during special occasions and field days

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PREVIOUS PROFESSIONAL POSITIONS:

Apr. 2002-Sept. 2004	Department Manager John Deere Landscapes, Lubbock, Texas
Nov. 2001-Apr. 2002	Engineering Technician I Texas Department of Transportation, San Angelo, Texas
Apr. 2001-Nov. 2001	Engineering Technician Texas Department of Transportation, Sonora, Texas
Sept. 1999-Apr. 2001	Irrigation Designer Diversified Sub-Surface Irrigation, Lubbock, Texas
Aug. 1997-Aug. 1999	Student Research Assistant Texas Tech University, Lubbock, Texas
May 1994-Jul. 1997	Engineering Technician II Texas Department of Transportation, San Angelo, Texas
Nov. 1991-Feb. 1994	Management Trainee Schneider Distributing Company, San Angelo, Texas
Aug. 1991-Oct. 1991	Spray Technician Barton Creek Lakeside Country Club, Spicewood, Texas
Jun. 1990-May 1991	Assistant Superintendent Golf Incorporated, Tempe, Arizona
Jun.1989-Sept. 1989	Student Internship Shady Oaks Country Club, Fort Worth, Texas

PUBLICATIONS:

REFEREED JOURNALS (CAREER TOTAL 8)

1. Allen, V.G., C.P. Brown, R. Kellison, **P. Green**, C. J. Zilverberg, P. Johnson, J. Weinheimer, T. Wheeler, E. Segarra, V. Acosta-Martinez, T.M. Zobeck, and J.C. Conkwright. 2012. Integrating cotton and beef production in the Texas Southern High Plains. I. Water use and measures of productivity. Agron. J. 104:1625-1642.

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2. Zilverberg, C.J., V.G. Allen, C.P. Brown, **P. Green**, P. Johnson, and J. Weinheimer. 2012. Integrating cotton and beef production in the Texas Southern High Plains. II. Fossil fuel use. *Agron. J.* 104:1643-1651.
3. Li, Y., V.G. Allen, J. Chen, F. Hou, C.P. Brown, and **P. Green**. 2013. Allelopathic influence of a wheat or rye cover crop on growth and yield of no-till cotton. *Agron. J.* 105:1581–1587.
4. Cody Zilverberg, Phil Brown, **Paul Green**, Michael L. Galyean, Vivien G. Allen. 2015. Forage performance in crop-livestock systems designed to reduce water withdrawals from a declining aquifer. *Rangelands* (April 2015)
5. Baxter, L.L., C.P. West, C.P. Brown, and **P.E. Green**. 2017. Nondestructive determination of legume content in grass-legume pastures. *Crop, Forage, and Turfgrass Management* (accepted with revisions; revised manuscript submitted).
6. Baxter, L.L., C.P. West, C.P. Brown, and **P.E. Green**. 2017. Comparing nondestructive sampling techniques for predicting forage mass in alfalfa-tall wheatgrass pasture. *Agronomy Journal* (accepted with revisions; revised manuscript submitted).
7. Baxter, L.L., C.P. West, C.P. Brown, and **P.E. Green**. 2017. Stocker beef production on low-water input systems in response to legume inclusion: I. Forage and animal responses. *Crop Science* (submitted).

In Progress:

1. Baxter, L.L., C.P. West, J.O. Sarturi, C.P. Brown, and **P.E. Green**. 2017. Stocker beef production on low-water input systems in response to legume inclusion: II. Water footprint. *Crop Science* (in progress).

INTERNATIONAL (CAREER TOTAL 1)

1. Brown, C. Philip, V.G. Allen, R. Kellison, **P. Green**, C.J. Zilverberg, P. Johnson, V. Acosta-Martinez, and C.P. West. 2013. Integrating beef and cotton production reduces irrigation needs in the Texas Southern High Plains. *Proceedings 22nd International Grassland Congress*. Sydney, Australia. Integrated grassland systems: Pastures in integrated crop/livestock production systems. Sept. 15-19. p. 962-963.

INVITED PRESENTATIONS

1. Phil Brown, **Paul Green**, Agriculture and the Texas High Plains, Idalou Wildcat 4-H Club and Youth Organization monthly meeting, Idalou, Texas, March 2013.

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2. **Paul Green**, Soil Science, Idalou Elementary 2nd Grade class discussion, Idalou, Texas, February 2016

AWARDS

College of Agricultural Sciences and Natural Resources (CASNR) Research Staff Award (2015)