# Education

M.S. Plant and Soil Sciences Graduation: May 2010 Oklahoma State University, Stillwater, Oklahoma GPA: 3.87 Thesis: Evaluation of Triple Super Phosphate as Foliar Fertilizer on Winter Wheat (Triticum aestivum L.).

B.A. Agronomic Engineer Graduation: June 2008 Universidade Estadual Paulista “Julio de Mesquita Filho”- UNESP Faculdade de Ciências Agronômicas, Botucatu-SP, Brazil.

# Experience

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| Graduate Research Assistant Oklahoma State University, Department of Plant & Soil Sciences, Stillwater, Oklahoma * Conduct research and extension involving field work, for corn, wheat, soybeans, sorghum, and cotton
* Grain, forage, and soil sample processing, analysis, and interpretation
* Maintain and operate experimental equipment and farm machinery
 |  | August 2008 - present |
| Graduate Teaching Assistant Fundamentals of Soil Science- Soil 2124 Oklahoma State University, Department of Plant & Soil Sciences, Stillwater, Oklahoma * Lead class discussions, coordinate field trips and practical demonstrations
* Lab presentations, grade tests and assignments
 |  | January 2009 – May 2009 |
| Geo-Processing and Remote Sensing For Crop Monitoring Group COSAN S.A, Costa Pinto Unity, Piracicaba-SP, Brazil * Analysis, collection of spectral data, treatment of images and classify soil coverage
* Elaborate thematic maps, coordinate biometrics sampling
 |  | June 2007 – June 2008 |
| Oklahoma State University, Okmulgee and Stillwater, Oklahoma * Intern - Department of Plant & Soil Sciences
 |  | January 2007 – March 2007 |
| Group Cerradinho Sugar and Alcohol S.A., Catanduva, São Paulo, Brazil * Intern – Field Operations
 |  | February 2006 – March 2006 |

# International Experience

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| Ciudad Obregón, Sonora, Mexico* Objective; collect data for detection of phosphorus deficiency using a spectrometer and train researches for continuous data collection. The project was in collaboration with CIMMYT
 |  | January 8-15, 2010 |
| Ciudad Obregón, Sonora, Mexico * Objective; collection of NDVI data to detect nitrogen deficiency using the GreenSeeker. Collaborative research with CIMMYT including the evaluation of foliar P for wheat and corn (Centro Internacional de Mejoramiento de Maiz y Trigo)
 |  | January 4-8, 2009 |
| Soderköping, Sweden* Rotary exchange student
 |  | July 2000 – August 2001 |

# Publications

|  |  |  |
| --- | --- | --- |
| **Torres, G.M.**, Arnall, B., Raun, B., (2009). Effect of weather conditions on yields at Lahoma, Oklahoma. Oklahoma Cooperative Extension Service Current Report, CR-2176. |  | 2009 |
| Edmonds, D., Brain A., Kefyalew D., Raun B., Solie J., Stone M., Taylor R., Zhang H., Desta B., Kanke Y., May J., Ruto E., **Torres G.M.**, Vossenkemper J., Walsh O., Clark S., Crain J., and Khim B. (2008). Oklahoma Precision Agriculture Research Highlights Bulletin. Oklahoma State University, Stillwater, OK. |  | 2008 |

# Abstracts

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| **Torres, G.M**., Vossenkemper, J., Kanke, Y. Edmonds, D. and Raun, W. (2009). Evaluation of triple super phosphate as foliar fertilizer. ASA-CSSA-SSSA International Annual Meetings, Pittsburgh, PA.  |  | November, 2009 |
| **Torres, G.M**., Kanke, Y. Edmonds, D. and Raun, W. (2009). Evaluation of triple super phosphate as foliar fertilizer in winter wheat. Nitrogen Use Efficiency Meeting, West Lafayette, IN. |  | August, 2009 |

# Extension

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| Norman, Nebraska* Collect corn sensor data in farmer fields to predict yield and recommend nitrogen top-dress rate.
 |  | June, 2009 |
| Stanton County, Nebraska* Collect corn sensor data in farmer fields to predict yield and recommend nitrogen top-dress rate.
 |  | July, 2009 |
| Stillwater, Oklahoma* Training the National Guard to help improve farmer management practices in Afghanistan.
 |  | September, 2009 |

# Research in progress

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| **Torres, G.M**. and Raun, W. Foliar phosphorus fertilization in winter wheat (Triticum aestivum L.). |  |  |
| **Torres, G.M**. and Raun, W. Leaf angle and emergence rate of corn (Zea mays L.) as affected by seed placement and arrangement. |  |  |
| **Torres, G.M**., Godsey, C. and Raun, W. In-season estimation of yield in soybean (Glycine max L.) using a hand-held optical sensor. |  |  |
| Rutto, E., **Torres, G.M.** and Raun, W. Quantification of ammonia volatilization as affected by agricultural practices, temperature and fertilizer rates. |  |  |

# Honors

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| Plant and Soil Science Department Outstanding Master Student |  |  2010 |
| Department Outstanding Graduate Teaching Assistant |  | 2009  |
| Wesley Meinders Memorial Scholarship |  | 2009  |
| Department Supplementary Fellowship |  | 2008  |

# Professional Membership

* American Society of Agronomy
* Crop Science Society of America
* Soil Science Society of America

**Languages**

* Portuguese – fluent
* English – fluent
* Spanish - (reading and oral)