**Mariana Ramos Del Corso**

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Stillwater, OK 74078 delcors@okstate.edu

**Education**

**Master of Science in Plant and Soil Science** Expected December 2016

Oklahoma State University, Stillwater, OK, US **GPA 4.0**

Thesis:

* Evaluation of the effects of climate on organic matter, soil pH, and nitrogen content in a long term experiment in Oklahoma
* Evaluation of foliar UAN and timing on wheat grain yield and protein

**Bachelor of Science, Agronomy and Engineering** May 2013

Universidade Estadual Paulista Julio de Mesquita Filho (FCA/UNESP), Botucatu, SP, Brazil

Theses

* Evaluation of Trimble hand held Crop Sensor and GreenseekerTM Sensor at Different Heights, for Various Crops

**Education Experience**

**Graduate Research Assistantship** August 2014-Present

Oklahoma State University Department of Plant and Soil Science Stillwater, OK, US

* Collection of soil and forage samples
* Plan and implement winter wheat and corn trials at different locations
* Perform fertilizer application using CO2 pressurized applicator
* Monitor wheat and corn growth by collecting normalized difference vegetation index (NDVI) readings using various GreenSeeker sensors
* Organize and prepare soil and grain samples for lab analysis
* Assist in NPK extractions, pH measurements, and determination of nitrogen and carbon concentration using dry combustion analyzer (LECO)
* Perform data analysis using SAS, iNZight, and Sigmaplot software
* Collaboration/assistance with other student projects

**Additional Experience**

**Trainee at Soil Fertility Group under Dr. William R. Raun** July 2011-May 2012

Oklahoma State University Department of Plant and Soil Science Stillwater, OK, US

* Evaluated the effects of height and operator on GreenSeeker and Hand Held Pocket Sensor readings
* Collected NDVI readings through the entire growing season
* Performed NPK extractions in soil and performed dry combustion analysis for grain samples
* Performed data analysis using SAS software

**Technical Assistant in Trades Fair** April 2011-May 2012

CNH Global NV Brazil

* Operated tractors and combines
* Assisted in sales of agricultural equipment
* Worked in sales of precision agriculture equipment (Trimble)

**Trainee at the Department of Soils Science (FCA/UNESP)** January 2011-December 2011

Department of Soil Science Botucatu, SP, Brazil

* Tested the effects of sewage water application in orange and tomatoes in replacement of nitrogen fertilization (Projects supported by the government)
* **Trainee at the Rural Engineering Department (FCA/UNESP)**  April 2009-August 2009

Rural Engineering Department Botucatu, SP, Brazil

* Assist in evaluations of different pesticides using a ventilation chamber to evaluate particle size and drift

**Technical Skills**

* LECO CN628 dry combustion unit
* Fisher Scientific Accument XL 150 pm/mV meter
* SAS 9.4 software
* GreenSeeker® Sensor

**Presentations**

* Del Corso, M., Mullock, J., Figueiredo, B., Raun, W. (2015) “Evaluation of Foliar UAN and Timing and Nitrogen Concentration in Wheat (T*riticum aestivum* L.)” Presented at Synergy in Science: Partnering for solutions 2015 Annual Meeting, Minneapolis, MN, November 15-18, 2015
* Golden, M., Figueiredo, B., Del Corso, M., ‘ Relationship Between Mean Square Errors and Wheat grain Yield in Long-Term Experiments” Presented at Synergy in Science: Partnering for solutions 2015 Annual Meeting, Minneapolis, MN, November 15-18, 2015
* Figueiredo, B., Del Corso, M., Mullock, J., Raun, W. (2015) “Effect of Micronutrient Fertilizers on Winter Wheat Grain Yield” Presented at Synergy in Science: Partnering for solutions 2015 Annual Meeting, Minneapolis, MN, November 15-18, 2015
* Del Corso, M., Mullock, J., Figueiredo, B., Raun, W. (2015) “Evaluation of Foliar UAN and Timing on
Wheat Grain Yield and Protein” Presented at 13th annual Nitrogen Conference, Auburn, AL, August 3-5, 2015
* Figueiredo, B., Del Corso, M., Mullock, J., Raun, W. (2015) “Effect of Micronutrient Fertilizers on Winter Wheat Grain Yield” Presented at 13th annual Nitrogen Conference, Auburn, AL, August 3-5, 2015
* Dhillon, J. S., Golden, M., Dhital, S., Remondet, N., Kizza, D. A, Del Corso, M., Figueiredo, Lynch, T., Mullock, J., Taylor, R., B., Raun, W. (2015) “Evaluation of Drum Cavity Size and Planter-tip on Singulation and Plant Emergence in Maize (Zea mays L.)” Presented at 13th annual Nitrogen Conference, Auburn, AL, August 3-5, 2015
* Dhital, S., Mullock, J., Figueiredo, B., Lynch, T., Dhillon, J. S., Del Corso, M., Raun, W. (2015) “Effect of Preplant/Early Irrigation, Nitrogen and Population Rate on Winter Wheat Grain Yield” Presented at 13th annual Nitrogen Conference, Auburn, AL, August 3-5, 2015

**Affiliations**

American Society of Agronomy 2015-Present

Crop Science Society of America 2015-Present

Soil Science of America 2015-Present

**Honors and Awards**

Jerry Grant Memorial Agriculture Scholarship March 2015

Wheat Improvement Research Fellowship March 2015

**Volunteer Activities**

Teaching History and Geography for low income people February 2008-December 2009

**Language Skills**

Portuguese: Native

English: Advanced in written and spoken

**Visa Status**

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