

# **MARCELO OSÓRIO WALLAU**

*Associate Professor, Forages Extension Specialist  
Agronomy Department - University of Florida*

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## **OVERVIEW**

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### **EDUCATION**

**Ph.D. Animal Science**, Grassland Ecology and Management

Universidade Federal do Rio Grande do Sul (UFGRS),

Porto Alegre, Brazil (GPA 3.9).

2014 - 2017

With period at the University of California, Davis, USA.

2015 - 2016

And at the INRAe UREP, Clermont Ferrand, France.

2017

**M.S. Agronomy**, Forage Production and Management,

University of Florida, USA (GPA 3.72).

2011 - 2013

Minor in Animal Sciences, focus on ruminant nutrition.

**Agronomy, Eng.**

Universidade Federal do Rio Grande do Sul (UFGRS), Porto Alegre, Brazil.

2006 - 2011

With period at Texas Tech University, USA. (GPA 3.72).

2009 - 2010

### **ACADEMIC APPOINTMENT**

Twelve-month appointment, with 70% Extension and 30% Research responsibilities.

Date of initial appointment: 5 January 2018

### **PROFESSIONAL SPECIALTY**

Pasture management, forage production systems, integrated crop-livestock system, forages for beef cattle, dairy cattle, small ruminants and horses, foraging behavior, modeling.

## EXPERIENCE

### UNIVERSITY OF FLORIDA

**Associate Professor – Forages Extension Specialist**

*Gainesville, FL, USA*

*July 2024 – current*

**Assistant Professor – Forages Extension Specialist**

*January 2018 – July 2014*

As state forage extension specialist, my appointment includes 70% extension (Florida Cooperative Extension Service) and 30% research (Florida Agricultural Experiment Station), in the Agronomy Department, Institute of Food and Agricultural Sciences, University of Florida. I am responsible for development of human resources (agent and student training in Extension), producing and delivering extension material for producers, extension agents and general public, in cooperation with other state-wide specialists and county faculty. As an extension specialist, I also coordinate statewide efforts on forage extension, and ma the connecting point between multiple regions and various specialists working in forage-livestock production systems. To reach all major forage-dependent industries in Florida, my extension and research programs focus on increasing diversity as a tool to improve sustainability and resilience of agricultural systems.

### UNIVERSITY OF FLORIDA

**Post-doctoral fellow – Dr. Esteban Rios**

*Gainesville, FL, USA*

*August 2017 – December 2017*

As short-term visiting scholar at the University of Florida, I worked in Dr. Rios' lab developing the outreach strategies and extension material for UF released cultivars, recommended cool-season varieties for the state of Florida and attended several extension activities, giving presentations to extension agents and farmers on forage management.

### UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL

**Doctoral fellow – Dr. Paulo Cesar de Faccio Carvalho**

*Porto Alegre, RS, Brazil*

*April 2014 – May 2017*

My research objective was to explore the dynamics of herbage production and utilization (through modelling), and the effects of management and environmental conditions on primary and secondary production levels in multi-specific grassland in the Campos region, in southern Brazil. I was responsible for a long-term grazing experiment on native grassland, started in 1986, which was the basis for my research project. Besides the maintenance of the experiment, including its 130 animals, I also helped teaching undergraduate courses in forage and cattle (beef and dairy) production and management. Within our research group, I was responsible for some administrative tasks, helping with the orientation of Master and undergraduate intern students, and on writing and organizing a commemorative, extension-oriented book about our long-term grazing experiment.

### INSTITUTE NATIONAL DE LA RECHERCHE AGRONOMIQUE

**Visiting scientist – Dr. Juliette Bloor and Raphaël Martin**

*Clermont-Ferrand, France*

*March 2017*

I spent one month working at the National Institute of Agricultural Research of France to develop the computational segment of my PhD project. I was under the supervision of Dr. Juliette Bloor and in cooperation with Raphaël Martin. During this period in France, we worked in developing a Java interface for the simulation model.

### UNIVERSITY OF CALIFORNIA, DAVIS

**Visiting scholar – Dr. Emilio Andrés Laca**

*Davis, CA, USA*

*August 2015 – June 2016*

During the time spent at the University of California, Davis, I improved my skills on statistics and learned the basics of modelling and simulation. I was able to work very closely with Dr. Laca and developed the model that is the basis for the simulations in my research project.

### UNIVERSITY OF FLORIDA

**Research Assistant – Dr. Lynn E. Sollenberger**

*Gainesville, FL, USA*

*August 2011 – December 2013*

During my Master's program, I developed abilities in designing and conducting field research with emphasis on grazing small plot experiments, data analysis, and laboratory methods of forage nutritive value evaluation. As part of my appointment, I helped other students with projects related to forage management systems in the Southeast, and assisted teaching two forage courses (forage science and range management) and one crop production course (applied field crop production). Moreover, I participated in a multidisciplinary research project evaluating use of remote sensing and vegetation indexes (VI) to analyze changes in vegetation patterns in the Campos region in South Brazil and Uruguay. My involvement was on linking VI information to vegetation and soils characteristics in the different regions in this area. Also, I gained experience in organizing and presenting research at extension events and scientific meetings, improving my communication skills. As secretary of the Agronomy Department Social Committee and Agronomy Graduate Student Association I helped organizing and promoting social and development activities.

#### **TEXAS TECH UNIVERSITY**

##### **Volunteer Internship, Forage Research Lab – Dr. Vivien G. Allen**

*Lubbock, TX, USA*

*August 2009 - May 2010*

I worked in an integrated crop livestock system experiment, with focus on input reduction and water conservation. I received training with forage and soil sampling techniques and experimental animal handling, and laboratory procedures for fiber evaluation (NDF and ADF).

#### **UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL**

##### **Research Assistant, Soil Microbiology Lab – Dr. Enilson de Sá**

*Porto Alegre, RS, Brazil*

*September 2007 – June 2009*

I worked in field, greenhouse and laboratory experiments evaluating birdsfoot trefoil and alfalfa rhizobia strains for efficiency in N fixation. Some of the duties I was responsible for bacteria isolation, replication and inoculant production in the laboratory, and conduction field and greenhouse trials.

#### **OTHER PROFESSIONAL DEVELOPMENT ACTIVITIES**

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##### **NORTHLANDS, FARMFAIR INTERNATIONAL (FFI)**

###### **FFI Ambassador**

*Edmonton, AB, Canada*

*October 2014- November 2017*

My work is oriented on assisting with the international extension of the top Canadian beef focused livestock show. I promote the program within the Brazilian and surrounding markets to recruit beef producers for the Inbound Buyer Program. While attending the show with the producers I act as interpreter (both Spanish and Portuguese) and logistical support for the delegates. This project has enabled me to build my skill sets and connect with the Canadian agriculture industry.

##### **PAMPA FERAL HOGS GROUP**

###### **Founding Member**

*Santana do Livramento, RS, Brazil*

*January 2014- current*

Founding member of the Javali no Pampa (Feral Hogs in the Pampas) Organization, a volunteer group established in 2014, to cover an extension gap on the subject, and collect biological material for research. The group is engaged on testing and applying feral hog control techniques, developing scientific and extension material about feral hog control and biology, supporting research groups with biological material, and consulting with farmers and ranchers in Southern Brazil on feral hog management. On the political level, we have been involved with supplying information for policy makers (both at state and federal level) and helping out in the development of proposals for feral hog control plans in Brazil. We recently published a book on feral hog biology and management, and are developing technical series, radio bulletins and promoting meetings and talks with producers. We are currently developing partnerships with Texas A&M AgriLife Extension, in a work coordinated by Dr. Jim Cathey. The group is supported by the Farmers Association of Santana do Livramento and neighboring counties, in Rio Grande do Sul, Brazil. Our work is available at [www.javalinopampa.info](http://www.javalinopampa.info).

##### **SARANDI AND FARRAPO FARMS**

*Santana do Livramento, RS, Brazil*

### **Consultant and Assistant Manager**

*Aug. 2010- Aug. 2011, Jan. 2014- Aug. 2015*

My role in our family operations is as an agricultural and livestock consultant, mainly focusing on pasture and nutrition. I am responsible for the forage planning and herd management in a 7000 acre beef and dairy cattle, horse and sheep farm. Working at the ranch helped me developing skills in nutrition and reproduction management of dairy cattle, and improved my leadership and organizational ability. I had 12 employees under supervision in three different segments on the farm. I was also partly responsible for financial management and cattle trading, and had good experience with machinery and implement setting and handling.

### **TOCA DA ONÇA FARM**

*Toledo, PR, Brazil*

#### **Volunteer internship, crop production and farm management**

*January – February 2009*

I received training on corn and soybean production, fertilization and pest control, planting and harvesting planning, storage and commercialization of commodities. I also worked on beef cattle management and forage planning, and had experience with business administration and crew management, as well as Excel programming.

### **OTHER VOLUNTEER INTERNSHIPS**

- Beef and dairy cattle production in Argentina in 3 different farms *Gen. Belgrano, BA, Argentina*  
*August 2008*
- Beef cattle production in Central Brazil *Gurupi, TO, Brazil*  
*February 2007*

## **INSTRUCTION**

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### **GUEST LECTURER AND TEACHING ASSISTANT**

- Sistemas de produção de gado de corte nos EUA (1 credit hour, 1 semester, 2023), UNESP Botucatu. Guest Lecturer.
- PLS3004C – Principles of Plant Science (1 credit hour, 4 semesters taught, 2018 -2021; enrolment 20-60), UF. Guest Lecturer
- AGR5266C – Field plot Techniques (3 credit hours, 6 semesters taught, 2018 -2023; enrolment 15-25), UF. Guest Lecturer
- AGR6233 – Tropical Grasslands Agroecosystems (3 credit hour, 1 semester assisted, 2019; enrolment 20), UF. Panelist
- Suinocultura – Ecologia e manejo do javali (Feral hog ecology and management)(4 credit hours, 26 Jun 2017) Unipampa, Dom Pedrito. Guest lecturer.
- AGR05008 – Diagnosis and planning of forage systems (20 credit hours, Spring 2014), UFRGS. Teaching assistant.
- AGR05503 – Forages, Veterinary Medicine (4 credit hours, Spring 2014, Fall 2015), UFRGS. Guest lecturer.
- AGR05014 – Ecophysiology for Pasture Management, Animal Science (5 credit hours, Spring 2014), UFRGS. Guest lecturer.
- AGR01008 – Ruminant Production, Agronomy (2 credit hours; Fall 2014), UFRGS. Guest lecturer.
- AGR 1127 – Dairy Cattle Production and Management, Veterinary Medicine (4 credit hours, Fall 2014; Spring 2016), UFRGS. Guest lecturer.
- AGR 4214C – Applied Field Crop Production, Agronomy (4 credit hours, Fall 2013), UF. Teaching assistant, responsible for lab preparation and teaching.
- AGR 4231 – Forage Sciences and Range Management, Agronomy (10 credit hours, Spring 2012 and 2013), UF. Teaching assistant, responsible for lab preparation and selected teaching.

## **TEACHING**

- AGR 6932 – Developing extension skills: special topic class on developing and delivering extension material (2-3 credits, offered based on demand; total 4 students)
- AGR 6913 – Supervised extension: special topic class on developing and delivering extension material (2-3 credits, offered based on demand; total 5 students)

## STUDENT ADVISING

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### GRADUATE ADVISOR (15)

- Caitlin Bainum – M.S. Non-thesis. Agronomy, concentration in Agroecology. Project topic: Curriculum development for pasture schools in Florida. Completion Summer 2020.
- Alicia Hallbitter – M.S. Non-thesis, Agronomy, concentration in Agroecology. Non-thesis. Project topic: Assessment of onboarding needs for Priority 1 Extension agents in Florida. Completion Fall 2020.
- Hannah Wooten – M.S. Non-thesis, Agronomy, concentration in Agroecology. Non-thesis. Project topic: A train-the-trainer curriculum for hydroponics. Completion Summer 2021.
- Kacey Aukema – M.S. Agronomy. Thesis: soil CO<sub>2</sub> efflux and carbon balance of an integrated crop-livestock system in the northern great plains. Completion Spring 2021.
- Haley Hayes – M.S. Agronomy. Thesis: Canopy Characteristics, Productivity, Nutritive Value, and Persistence of Tetraploid Bahiagrass Breeders' Lines Under Different Grazing Management Strategies. Completion Summer 2022.
- Kayla Gonzales – M.S. Non-thesis, Agronomy, concentration in Agroecology. Non-thesis. Project topic: strategies for growing replacement heifers in Florida. Current.
- Rachel Balster – M.S. Agronomy. Thesis: Solar Synergies – strategies to merge energy and agricultural production in the Sunshine State. Completion Fall 2023.
- Nicolas Caram – PhD (Co-Advisor) Agronomy. Dissertation topic: Use of legume-grass mixes in grazing systems
- Alejandro Ruden – Ph.D. Agronomy. Dissertation topic: Evaluation of integrated crop-livestock systems in Florida. Current.
- Luana Dantas – Ph.D. (Co-Advisor). Dissertation topic: Assessment of nutrient flows and productivity in integrated crop-livestock systems.
- Celeste Martinez – M.S. Agronomy. Thesis: Establishment and evaluation of bermudagrass varieties. Current
- Renan Pedro Becker – M.S. Agronomy. Thesis: Evaluation of bahiagrass accessions for productivity and persistence (herbicide, seed production and grazing). Current
- Olivia Centani – M.S. Agronomy. Thesis: Stockpiling perennial warm season forages. Current
- Emanuel Cassol Dall'Agnol – Ph.D. Agronomy. Dissertation: Resilience of agricultural systems. Current
- Miranda Imeri – Ph.D. Agronomy. Dissertation: White-tailed deer nutrition and forages. Current

### OTHER STUDENT ADVISING

- Served as committee member in for 15 M.S. and Ph.D Students (7 current)
- Served as jury member for 11 project of thesis/dissertation defenses, and qualification examinations
- Mentored 6 international visiting students
- Mentored 13 undergraduate students

## PUBLICATIONS

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### PEER-REVIEWED JOURNAL ARTICLES (47)<sup>1</sup>

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<sup>1</sup> G indicates students whose committee I chaired or co-chaired; <sup>g</sup> indicates students who I served in the committee.

- Caram<sup>G</sup>, N., F. Casalás, P. Soca, **M.O. Wallau**, L.E. Sollenberger, M. Cadenazzi, and P. Boggiano. 2024. Grazing intensity controls the seasonal utilization of functionally diverse patches by mediating herbivore selectivity. *Range Ecol. Manage.*, 96, 152-162. <https://doi.org/10.1016/j.rama.2024.06.006>
- Caram<sup>G</sup>, N., R. Casalás, **M.O. Wallau**, L.E. Sollenberger, P. Soca, M. Cadenazzi, and P. Boggiano. 2024. The importance of considering temporal intraspecific trait variation in *Campos* grasslands. *J Veg. Sci.*, 35(4). <https://doi.org/10.1111/jvs.13294>
- Babar, M. A., S.A. Harrison, A. Blount, R.D. Barnett, J. Johnson, M. Mergoum, D.J. Mailhot, ... **M.O. Wallau**, ... Arbelaez, J. (2024). Registration of ‘FL12034-10’ oat: A new dual-purpose disease resistant cultivar for Florida and southern United States. *J. Plant Regist.*, 18(2), 254–261. <https://doi.org/10.1002/plr2.20362>
- Carmona-Flores, L., M. Wallau, C. Cabrera, D. Vyas, 2024. Evaluating the impact of orange oil and sunn hemp hay on digestibility and anthelmintic efficacy in texel ewes. *Small Ruminant Res.* Accepted <https://doi.org/10.1016/j.smallrumres.2024.107296>
- Tsegay<sup>g</sup>, M., Z. Grabau, J. Dubeux, **M. Wallau**. 2023. Crop rotation for management of plant-parasitic nematodes in forage corn production. *Agron. J.* (First view Dec, 2023) <https://doi.org/10.1002/agj2.21522>
- Wallau, M.**, F. Neves, N. Caram<sup>G</sup>, C. Bremm, C.E. Pinto, J.K. Da Trindade, J. Mezzalira and P.C.F. Carvalho. 2023. Moderate grazing intensities modulate canopy structure that influences short-term intake rate of heifers grazing a natural grassland. *Grassland Sci.* 1-11 <https://doi.org/10.1111/grs.12413>
- Felizardo, L.F.<sup>G</sup>, **M. Wallau** and J.R. Pereira. 2023. RPER Software: A Social Management Tool for Rapid Participatory Emancipatory Research Planning, Design and Implementation. *J. Social Environ Manage.* 17(10):01-28. <https://doi.org/10.24857/rgsa.v17n10-003>
- Basen, W., J. Lai, B. Kassas and **M. Wallau**. 2023. Investigating Trends in Consumer Preferences and Willingness to Pay for Lamb and Goat Meat: A Case Study from Florida. *Agribus. Int. J* <https://doi.org/10.1002/agr.21873>
- Rush<sup>g</sup>, H., J. Dubeux, L. Queiroz<sup>G</sup>, **M. Wallau** and C. Wilson. 2023. Species richness and functional diversity enhance winter annual forage productivity and nutritive value. *Crop Sci.* 63(5) 3136-3150 <https://doi.org/10.1002/csc2.21071>
- Rios, E.F., J.C.B Dubeux Jr., J.M.B. Vendramini, **M. Wallau**, A.J. Grossman, Y. Lopez, P. Munoz, W. Anderson, L. Baxter, K. Harris, M.S. Castillo, M.C. Saha, K. Quesenberry, A. Blount, P. Reith, and K. Kenworthy. 2023. Newell Bermudagrass: A Public Release from the USDA Cynodon Collection. *J. of Plant Registrations* 7(13):605-615 <https://doi.org/10.1002/plr2.20318>
- Aukema<sup>G</sup>, K.D., **M.O. Wallau**, D.R. Faust, D.W. Archer, J.R. Hendrickson, S.L. Kronberg and M.A. Liebig. Soil CO<sub>2</sub> efflux dynamics in an integrated crop-livestock system. *Soil Sci.* (Accepted 3/2/2023)
- Caram<sup>G</sup>, N., F. Casalás, **M. O. Wallau**, P. Soca, V.D. Pillar, M. Cadenazzi and P. Boggiano. 2023. Biomass fine-scale variation is predictive of functional composition and diversity in grazed grassland. *Appl. Veg Sci.* 26(1)e12714 <https://doi.org/10.1111/avsc.12714>
- Hayes<sup>G</sup>, H., **M.O. Wallau**, N. Caram Fernandez, L.E. Sollenberger, K. E. Kenworthy and E. van Santen. 2023. Early-stage evaluation of grazed tetraploid bahiagrass experimental entries. *Crop Sci.* <https://doi.org/10.1002/csc2.20930>
- Harling<sup>g</sup>, J., E. Rios, C. de Souza, L.E. Sollenberger, J. Dubeux and **M. Wallau**. 2023. Defoliation management affects performance of alfalfa-bermudagrass mixtures in the southeastern USA. *Agronomy J.* 10.1002/agj2.21296 (Accepted Dec. 2022)

- Caram<sup>G</sup>, N., P. Soca, L.E. Sollenberger, W. Baethgen, **M.O. Wallau** and Maria E. Mailhos. 2023. Studying beef production evolution to plan for ecological intensification of grazing ecosystems. *Agricult. Sys.*, 205:103582. <https://doi.org/10.1016/j.agsy.2022.103582>
- Castillo, M. and **M. Wallau**. 2023. Stocking Method and Terminology in Grazing Management: Evaluation of Assertions from Educational, Outreach and Engagement Programs. *Crop Science* 1–6. <https://doi.org/10.1002/csc2.20877>
- Babar, Md. A., S. Harrison, A. Blount, R. Barnet, J. Johnson, M. Margoum, D. Mailhot, J. Murphy, E. Mason, A. Ibrahim, R. Sutton, B. Simeneaux, R. Boyles, B. Stancil, D. Marshall, M. Fountain, K. Klos, N. Khan, **M. Wallau**, H. Jordan, Jr, X. Ma and J. Arbalaes. 2023 FLLA11019-8: A new dual purpose facultative oat variety for grain and forage production in southern US. *J. of Plant Registrations*. 1–9. <https://doi.org/10.1002/plr2.20272>
- Souza, C. L., C. Fernandes Filho, R. Canny, N. Sharma, M. Saha, **M. Wallau**, L. Baxter, W. Anderson, K. Harris-Shultz and E. Rios. 2022. Unraveling Phenotypic Diversity in *Cynodon spp.* Germplasm for Dry Matter Yield and Nutritive Value in the Transition Zone. *Crop Science* <https://doi.org/10.1002/csc2.20871>
- Hegel, C.G.Z., G.M.M. Faria, B. Ribeiro, C.H. Salvador, C. Rosa, F. Pedrosa, G. Batista, L.P. Sales, **M. Wallau**, R. Fornel, L.M.S. Aguiar. 2022. Invasion and spatial distribution of wild pigs (*Sus scrofa* L.) in Brazil. *Biol Invasions*. <https://doi.org/10.1007/s10530-022-02872-w>
- Babar, M.A., S.A. Harrison, A. Blount, R.D. Barnett, J. Johnson, M. Mergoum, D.J. Mailhot, J.P. Murphy, R.E. Mason, A. Ibrahim, R. Sutton, B. Simoneaux, R. Boyles, B. Stancil, D. Marshall, M. Fountain, K.K. Klos, N. Khan, **M. Wallau**, and H.G. Jordan Jr. 2022. FLLA09015-U1: A broadly adapted dual-purpose oat variety for southern US. *J. of Plant Registrations*. (Accepted – June 8, 2022)
- Harling<sup>g</sup>, J., L. Sollenberger, E. Rios, J. Dubeux, and **M. Wallau**. 2022. Managing bermudagrass competition to overseeded alfalfa. *Agrosystems, Geosciences & Environment*. 5(3) e20279 <https://doi.org/10.1002/agg2.20279>
- Pupo<sup>g</sup>, M., **M. Wallau**, and L. Ferraretto. 2022. Effects of season, variety-type, and trait on dry matter yield, nutrient composition, and predicted intake and milk yield of whole-plant sorghum forage. *Journal of Dairy Science*. 105(7):5776–5785. <https://doi.org/10.3168/jds.2021-21706>
- Halbritter<sup>g</sup>, A., **M. Wallau**, M. Bengé, and C. Mackowiak. 2021. Identifying important skills and competencies needed for new Florida agriculture extension agents. *Adv. Agric. Dev.* 2(3): 61–71. doi: 10.37433/aad.v2i3.151.
- Caram, N., F. Casas, P. Soca, V. Anfusio, J. Garcia-Favre, **M. Wallau**, R. Zanoniani, M. Cadenazzi, P. Boggiano. 2021. Configuration of daily grazing and searching of growing beef cattle in grassland: Observational study. *Animal* 15 (2021) 100336 <https://doi.org/10.1016/j.animal.2021.100336>
- Diepersloot, E.C., M.R. Pupo, L.G. Ghizzi, J.O. Gusmão, C. Heinzen, C. L. McCary, **M. Wallau** and L. Ferraretto. 2021. Effects of Microbial Inoculation and Storage Length on Fermentation Profile and Nutrient Composition of Whole-Plant Sorghum Silage of Different Varieties. *Front. Microbiol.* 12(April): 1–16. doi: 10.3389/fmicb.2021.660567.
- Bolzan, A.S., L.S. Szymczak, L. Nadin, O.F. Bonnet, **M.O. Wallau**, A. de Moraes, R. Moraes, A.L.G. Monteiro, P.C.F. Carvalho. 2021. What, how and how much do herbivores eat? The Continuous Bite Monitoring method for assessing forage intake of grazing animals. *Ecology and Evolution* (Accepted)

- Nunes, L., Y. Ampatzidis, L. Costa, **M. Wallau**. 2021. Horse foraging behavior detection using sound recognition techniques and artificial intelligence. *Computers and Electronics in Agriculture*, 183:106080. <https://doi.org/10.1016/j.compag.2021.106080>.
- Diepersloot, E.C., E. M. Paula, H. Sultana, E. van Santen, **M. O. Wallau**, L. F. Ferraretto. 2021. Effect of seeding rate and hybrid relative maturity on yield, nutrient composition, ruminal in vitro neutral detergent fiber digestibility and predicted milk yield of dairy cows in whole-plant corn forage in subtropical conditions. *Applied Animal Science* 37:106-114. <https://doi.org/10.15232/aas.2020-02082>
- Zubieta, A.S., J.V. Savian, W.S. de Souza Filho, **M.O. Wallau**, A. Marín, J. Bindelle, O.J.F. Bonnet, P.C.F. Cavalho. 2020 Review: Does grazing management provide opportunities to mitigate methane emissions by ruminants in pastoral ecosystems? *Science of the Total Environment*. 754(1):142029. <https://doi.org/10.1016/j.scitotenv.2020.142029>
- Souza, C. de<sup>p</sup>, Y. Lopez, P. Munoz, W. Anderson, M. Dall’Agnol, **M. Wallau** and E. Rios. 2020. Natural Genetic Diversity of Nutritive Value Traits in the Genus *Cynodon*. *Agronomy* 10(11): 1729. <https://doi.org/10.3390/agronomy10111729>
- Vasco, A.C.C.M, J.C.B. Dubeux, **M.O. Wallau**, C.L. Wickens, L.K. Warren, 2020. Characterization of forage utilization and pasture management practices on Florida horse operations. *Journal of Equine Veterinary Science*. 95:103253 <https://doi.org/10.1016/j.jevs.2020.103253>
- McCary, C., C. Heinzen, E. Paula, **M. Wallau**, L. Ferraretto. 2020. Short communication: Effect of planting density on nutritive value, dry matter yield, and predicted milk yield of two brown midrib forage sorghum hybrids. *Applied Animal Sciences*. 36(3):320-328 <https://doi.org/10.15232/aas.2019-01966>
- Wallau, M.O.**, J.M.B. Vendramini, L.E. Sollenberger, E. van Santen, A.D. Aguiar, O. Cunha. 2020. In-situ dry matter and crude protein disappearance dynamics in stockpiled limpograss. *Crop Science*. 60(4): 2159-2166. <https://doi.org/10.1002/csc.2.20144>
- Bolzan, A.S., O.J.F. Bonnet, **M.O Wallau**, C. Basso, A. P. Neves, P.C.F. Carvalho. 2020. Foraging behavior development and diet selection by foals. *Rangeland Ecology & Management* 73(2): 243-251. <https://doi.org/10.1016/j.rama.2019.10.011>
- Chen, K.H, A. Blount, B. Justesen, J.H. Walter, **M. Wallau**, H.L. Liao. 2019. First report of the association of *Myriogenospora atramentosa* with plant genus Hemarthria. *Plant Health Progress*. <https://doi.org/10.1094/PHP-07-19-0043-BR>
- Wagner, A., **M. Wallau**, D. Fontana, P. Carvalho, C. Fraisse. 2018. Variability in vegetation indices in grasslands within the Pampa in RS/ Brazil and Uruguay. *Agrometeoros*, 26(1):83-92.
- Rosa, C. A., **M.O. Wallau**, F. Pedrosa. 2018. Hunting as the Main Technique Used to Control Feral Hogs in Brazil. *Wildlife Soc. Bull.* 42(1): 111–118
- Quesenberry, K.H, L.E. Sollenberger, J.M.B. Vendramini, A.R.S. Blount, **M.O. Wallau**, and C. Acuña. 2017. Registration of Kenhy and Gibtuck Limpograss Hybrids. *J Plant Registrations*



- Wallau, M.O.**, L.E Sollenberger, J.M.B Vendramini, K.H Quesenberry, C.A.M. Gomide, M.K. Mullenix. 2016. Performance of Limpograss Breeding Lines Under a Range of Grazing Management Strategies. *Crop Sci.* 56(6):3345-3353.
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- Bainum<sup>G</sup>, C., C. Wickens and **M. Wallau**. 2019. State agency collaboration to promote the adoption of best management practices on equine operations. In. Proc. National Association of County Agricultural Agents annual meeting. Fort Wayne, IN, Sep 8-12, 2019.
- Bosques, J., F. Rivera-Mendes and **M. Wallau**. 2019. Evaluating cool-season forages for south central Florida. In. Proc. National Association of County Agricultural Agents annual meeting. Fort Wayne, IN, Sep 8-12, 2019.
- Wilson, T.W., **M. Wallau**, E. Fletcher, A.R. Blount, C. Mackowiak and C. Bailey. 2019. Using on-farm demonstrations to evaluate newly developed cool-season forages – SJC1916. Agricultural Extension Demonstration and Research Project Symposium. East Palatka, FL, 2019.
- Pedroso<sup>G</sup>, G.B., L.E. Sollenberger, **M. Wallau**, J.C.B. Dubeux Jr., J. Erickson, B.C. Pedreira, F.Q. Rosa, P.L. Barbosa, O. Lucato Neto and L. Felix. 2019. Changes in rhizoma peanut shoot and root-rhizome characteristics during a planting season and their relationship with rhizome establishment performance. In: ASA, CSSA, and SSSA International Annual Meetings. San Antonio, TX, Nov 10-13, 2019.
- Wallau, M.**, L. Felix, J.C.S Dias and B. Waggoner. 2019 Effects of S-Metolachlor and efficacy of alternative seed safeners on sorghum root characteristics and yield. In: ASA, CSSA, and SSSA International Annual Meetings. San Antonio, TX, Nov 10-13, 2019.
- Aukema<sup>G</sup>, K., **M. Wallau** and A. Liebig. 2019. Soil property and CO2 efflux responses to integrated crop-livestock management in the northern great plains. In: ASA, CSSA, and SSSA International Annual Meetings. San Antonio, TX, Nov 10-13, 2019.
- Cant<sup>G</sup>, J., C. Cooper, A. Halbritter, L. Harlow, D. Nistler, C. Prevatt, P. Tomlinson and **M. Wallau**. 2019. Increasing the sustainability of small-scale ranchers through winter supplementation alternatives.



Poster session presented at the Annual Convention of the National Association of County Agriculture Agents. Fort Wayne, IN, Sep, 2019.

- Vasco<sup>g</sup>, A.C.C.M., C.L. Wickens, **M.O. Wallau**, T.L. Hansen, E.R. Santos and L.K. Warren. 2019. Characterization of forage utilization on small- and medium-scale horse operations in Florida. *J. Equine Vet. Sci.* 52:114-115. Equine Science Society Symposium. Asheville, NC.
- Vasco<sup>g</sup>, A.C.C.M., L.K. Warren, J.C. Dubeux, **M.O. Wallau**, C.L. Bainum, E.M. Rankins, M.L. Tench, H.L. Vasco, A.M. Arias-Esquivel and C.L. Wickens. 2019. Intercropped cool-season forages on dormant warm-season pastures: A preliminary study and an extension field day. *J. Equine Vet. Sci.* 52:114-115. Equine Science Society Symposium. Asheville, NC.
- Prevatt, C., J.J. Tucker, K. Mullenix, M. Bauer, D. Harmon and **M. Wallau**. 2019. Cover crop economics. Proceedings American Forage and Grassland Council. St Louis, MO, Jan 6-9, 2019.
- Wallau, M.**, J.C.B. Dubeux Jr., P.C.F. Carvalho, L.E. Sollenberger and J.M.B. Vendramini. 2018. Grazing defined. In: ASA, CSSA, and SSSA International Annual Meetings. Baltimore, MD, Nov 4-7, 2018.
- Blount, A., Md. Babar, C.L. Mackowiak, J.C.B. Dubeux Jr. and **M. Wallau**. 2018. FL08128- a novel triticale cultivar for silage, grazing, and grain production. In: ASA, CSSA, and SSSA International Annual Meetings. Baltimore, MD, Nov 4-7, 2018.
- Prevatt, C.G., K. Mullenix, J.J. Tucker, D.D. Harmon and **M.O. Wallau**. 2018. 2017 winter forage and hay outlook. *J. Anim. Sci.* 96(suppl 1): 4–5
- da Silva<sup>g</sup>, L.S. M.K. Mullenix, L.E. Sollenberger, **M.O. Wallau**, M.M. Kohmann, K.H. Quesenberry, J.C.B. Dubeux, Jr. and J.M.B. Vendramini. 2018. Economic feasibility and ecosystem services delivery of grass-N and legume-forage Systems in the Southeastern US. In: ASA Southern Branch. Jacksonville, FL, Feb, 2018.
- Wallau, M.**, O. Bonnet, J. Bloor, R. Martin, A. Bolzan, C. Basso, J. Azambuja, P. Carvalho and E. Laca. 2017. Adapting functional trait-based mechanistic model for subtropical climates. In: ASA, CSSA, and SSSA International Annual Meeting. Tampa, FL, Oct 22-25, 2017.
- Bolzan, A.M.S, **M.O. Wallau**, C. Basso, J.C.R. Azambuja, G.F. da Silva, P.C.F. Carvalho, O.J.F. Bonnet and A.P. Neves. 2017. Foraging development on foals grazing native grasslands. In: Proc. 54<sup>o</sup> Reunião Anual da Sociedade Brasileira de Zootecnia. Foz do Iguaçu, Brazil, Jul 24-28, 2017.
- Wallau, M.O.**, C.L.B. Romero, A.R. Weiler, O. Bonnet, J. Bloor, R. Martin, P.C.F. Carvalho and E. Laca. 2017. Limitaciones para el consumo de forraje en campo natural. In: Proc. XXIV Reunión del Grupo Técnico en Forrajeras del Cono Rus – Grupo Campos. Tacuarembó, Uruguay, May 13–14, 2017. p. 134-136.
- Azambuja Filho, J.C.R, O.J.F. Bonnet, S.S. Mendina, **M.O. Wallau** and P.C.F. Carvalho. 2017. Uso do teorema do valor marginal para o estudo do forrageamento de bovinos em campo nativo. In: Proc. XXIV Reunión del Grupo Técnico en Forrajeras del Cono Sur – Grupo Campos. Tacuarembó, Uruguay, May 13–14, 2017. p 134.

- Wallau, M.**, O. Bonnet, L. Eloy, P.C.F. Carvalho and E.A. Laca. 2016. Modelling grazing in heterogeneous complex environments. In: Proc. 53<sup>o</sup> Reunião Anual da Sociedade Brasileira de Zootecnia. Gramado, Brazil, Aug 1-5, 2016.
- Eloy, L.R., J.F.P. Lobato, **M.O. Wallau**, L. Pötter and E.A. Laca. 2016. Reproductive performance of heifers in pastures in Rio Grande do Sul: a meta-analytical approach. In: Proc 53<sup>o</sup> Reunião Anual da Sociedade Brasileira de Zootecnia. Gramado, Brazil, Aug 1-5, 2016.
- Rosa, C. A., **M.O. Wallau**, R. Salerno, F. Pedrosa, A.C. Souza, F. Puertas, T.X. dos Reis and L.H. Mendina Filho. 2016. An overview on feral hog management in Brazil after three years of control regulation. In: Proc. 27<sup>th</sup> Vertebrate Pest Conference. Newport Beach, CA, Mar 7-10, 2016.
- Wallau, M. O.**, C.A. Rosa, T.X. dos Reis, C.A. Wallau, N. Molinos and L.H. Mendina Filho. 2016. Observations on feral hog ecology in south and southeast Brazil. In: Proc. 27<sup>th</sup> Vertebrate Pest Conference. Newport Beach, CA, Mar 7-10, 2016.
- Sollenberger, L., A.D. Aguiar, **M. Wallau**, N. DiLorenzo, K. Quesenberry, O. Cunha, P. Ferreira and J. Vendramini. 2014. In situ crude protein and dry matter disappearance of stockpiled limpograss. In: ASA, CSSA, and SSSA International Annual Meetings. Long Beach, CA, Nov 2-5, 2014
- Mullenix, M. K., L.E. Sollenberger, A. Blount, M.O. **Wallau**, J.M.B. Vendramini and M.L.A. Silveira. 2013. Effects of grazing management strategies on sward responses of rhizoma peanut genotypes. In: ASA, CSSA, and SSSA International Annual Meetings. Tampa, FL, Nov 3-6, 2013.
- Wallau, M.O.**, L.E. Sollenberger, K.H. Quesenberry, J.M.B. Vendramini and M.K. Mullenix. 2013. Evaluation of limpograss [*Hemarthria Altissima*] breeding lines for use in Florida forage-livestock systems. In: ASA, CSSA, and SSSA International Annual Meetings. Tampa, FL, Nov 3-6, 2013.
- Vendramini, J.M.B., L.E. Sollenberger, K.H. Quesenberry, A. Blount, A.D. Aguiar, W.L. Silva, J.D. Sanchez, L. Galzerano and **M.O. Wallau**. 2013. Limpograss breeding line responses to grazing frequency in South Florida. In: ASA, CSSA, and SSSA International Annual Meetings. Tampa, FL, Nov 3-6, 2013.
- Na, C., L.E. Sollenberger, J.E. Erickson, J.M.B. Vendramini, M.L.A. Silveira, **M.O. Wallau** and K. Woodard. 2013. Seasonal changes in nitrogen and fiber fraction concentrations of warm-season perennial bioenergy grasses in the USA gulf coast region. In: ASA, CSSA, and SSSA International Annual Meetings. Tampa, FL, Nov 3-6, 2013.
- Wallau, M.O.**, L.E. Sollenberger, K.H. Quesenberry, J.M.B. Vendramini and M.K. Mullenix. 2013. Evaluation of limpograss (*Hemarthria altissima*) breeding lines under different grazing management. In D.L. Michalk et al. (eds) Proc. 22<sup>nd</sup> International Grassland Congress. New South Wales Dept. Primary Industry. Sidney, Australia, Sep 15-19, 2013. p. 513-514.
- Wallau, M.O.**, L.E. Sollenberger, K.H. Quesenberry and J.M.B. Vendramini. 2012. A low-cost approach to evaluation of forage breeding lines under grazing and its application to limpograss cultivar development In: ASA, CSSA, and SSSA International Annual Meetings. Cincinnati, OH, Oct 21-24, 2012.

Stroschein, M.R.D., **M.O. Wallau**, E.S. De Sá, M. Dall'agnol, J.F.B. São José, C.E. Granada and M.S. Silveira. 2008. Seleção a Campo de Rizóbios de *Lotus corniculatus* cv. São Gabriel, Fertbio 2008 (Rhizobia field selection for *Lotus corniculatus* CV São Gabriel). In: XXVIII Reunião Brasileira de Fertilidade do Solo e Nutrição de Plantas. Londrina, Brazil, 2008.

**Wallau, M.O.**, M.R.D. Stroschein, E.S. De Sá, M. Dall'agnol, J.F.B. São José, C.E. Granada and M.S. Silveira. 2008. Seleção a Campo de Rizóbios de *Lotus corniculatus* cv. São Gabriel (Rhizobia field selection for *Lotus corniculatus* CV São Gabriel). In: XX Salão de Iniciação Científica e XVII Feira de Iniciação Científica. Porto Alegre, Brazil, 2008.

#### EXTENSION PUBLICATIONS AND REPORTS

Ask IFAS (EDIS) SERIES (23)

Liao, H-L, K-H Chen, F. Marcon, R. Jones, B. Justesen, J. Walter, A. Blount, C. Mackowiak, D. Mayo and **M. Wallau**. 2023. A preliminary survey of mycotoxins identified from Florida bahiagrass pastures. SL-505. UF/IFAS Extension Service [doi.org/10.32473/edis-SS718-2023](https://doi.org/10.32473/edis-SS718-2023)

**Wallau, M.**, J. Vendramini, A. Adegbola, D. Vyas and K. Korus. 2022. Silage crops for dairy and beef cattle I: corn. SS-AGR-69. UF/IFAS Extension Service. [doi.org/10.32473/edis-aa250-2022](https://doi.org/10.32473/edis-aa250-2022)

**Wallau, M.**, J. Vendramini, A. Adegbola, D. Vyas and K. Korus. 2022. Silage crops for dairy and beef cattle II: sorghum and other forage crops. SS-AGR-461. UF/IFAS Extension Service. [doi.org/10.32473/edis-AA269-2022](https://doi.org/10.32473/edis-AA269-2022)

Blount, A., **M. Wallau**, B. Sellers, D. Hancock, L. Dillard, J. Dubeux, C. Mackowiak, J. Vendramini and C. Cooper. 2022. Brunswickgrass or *Paspalum nicorae*: A weed contaminant in southern pastures and bahiagrass seed production fields. SS-AGR-405. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag408-2022](https://doi.org/10.32473/edis-ag408-2022)

**Wallau, M** and J. Vendramini. 2022. Forage planting and establishment methods on prepared seedbed. SS-AGR-161. UF/IFAS Extension Service. [doi.org/10.32473/edis-AG107-2022](https://doi.org/10.32473/edis-AG107-2022)

**Wallau, M.**, A.R. Bount, J.M. Campos, M.A. Lashley, E. Rios, J.M.B. Vendramini, J. C. B. Dubeux, Md. A. Babar, C.L. Mackowiak and K.H. Quesenberry. 2022. A walk on the wild side: 2022 cool-season forage recommendations for wildlife food plots in North Florida. SS-AGR-28. [doi.org/10.32473/edis-ag139-2021](https://doi.org/10.32473/edis-ag139-2021)

**Wallau, M.**, A.R. Bount, E. Rios, J.M.B. Vendramini, J.C.B. Dubeux, Md. A. Babar, K.E. Kenworthy, M. Mulvaney and K.H. Quesenberry. 2022. 2022 Cool-season forage variety recommendations for Florida. SS-AGR-84. UF/IFAS Extension Service. [doi.org/10.32473/edis-aa266-2021](https://doi.org/10.32473/edis-aa266-2021)

Sellers, B., J. Ferrell, J. Vendramini and **M. Wallau**. 2021. Weed management during pasture establishment. SS-AGR-287. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag290-2021](https://doi.org/10.32473/edis-ag290-2021)

**Wallau, M**, J. Vendramini, J.C.B. Dubeux and A. Blount. 2021. Florida Forages Handbook : preface. SS-AGR-98. UF/IFAS Extension Service. <https://edis.ifas.ufl.edu/publication/AG171>

Vendramini, J., L.E. Sollenberger, K. Quesenberry, **M. Wallau**, J.C.B. Dubeux Jr. and Y. Newman. 2021. Limpograss (*Hemarthria altissima*): overview and management. SS-AGR-320. UF/IFAS Extension Service. <https://edis.ifas.ufl.edu/publication/AG330>

- Wallau, M.**, E. Rios and A. Blount. 2020. Planning and establishing on-farm field trials. SS-AGR-477. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag447-2021](https://doi.org/10.32473/edis-ag447-2021)
- Wallau, M.**, J. Vendramini and J.K. Yarborough. 2020. Bermudagrass production in Florida. SS-AGR-60. UF/IFAS Extension Service. [doi.org/10.32473/edis-aa200-2020](https://doi.org/10.32473/edis-aa200-2020)
- Wallau, M.**, J. Vendramini, J. Dubeux and A. Blount. 2019. Bahiagrass (*Paspalum notatum* Flueggé): overview and pasture management. SS-AGR-332. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag342-2019](https://doi.org/10.32473/edis-ag342-2019)
- Wallau, M.** and J. Vendramini. 2019. Methods for forage moisture testing. SS-AGR-178. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag181-2019](https://doi.org/10.32473/edis-ag181-2019)
- Dubeux, J., **M. Wallau**, J. Vendramini, L. Silva, J. Griffin, N. DiLorenzo and E. Santos. 2019. Estimating herbage mass on pastures to adjust stocking rate. SS-AGR-434. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag434-2019](https://doi.org/10.32473/edis-ag434-2019)
- Wallau, M.**, E. L. Johnson, J. Vendramini, C. Wickens and C. Bainum. 2019. Pastures and forage crops for horses. SS-AGR-65. UF/IFAS Extension Service. [doi.org/10.32473/edis-aa216-2019](https://doi.org/10.32473/edis-aa216-2019)
- Wallau, M.**, J. Vendramini and E. Jennings. 2018. Calibrating forage seeding equipment. SS-AGR-90. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag158-2018](https://doi.org/10.32473/edis-ag158-2018)
- Sollenberger, L.E., J.M.B. Vendramini, J.C.B. Dubuex and **M. Wallau**. 2018. General guidelines for managing pastures for dairy cows. SS-AGR-94. UF/IFAS Extension Service. <https://edis.ifas.ufl.edu/publication/AG162>
- Sollenberger, L.E., J.M.B. Vendramini, J.C.B. Dubuex and **M. Wallau**. 2018. Grazing management concepts and practices. SS-AGR-92. UF/IFAS Extension Service. <https://edis.ifas.ufl.edu/publication/AG160>
- Wallau, M.**, A.T. Adesogan, L.E. Sollenberger, J.M.B. Vendramini and J.C.B. Dubeux Jr. 2018. Factors affecting forage quality. SS-AGR-93. UF/IFAS Extension Service. <https://edis.ifas.ufl.edu/publication/AG161>
- Wallau, M.**, B. Justesen, A. Blount, L. Ferraretto, G. Aiken and A. Stam. 2018. Mycotoxins in Florida pastures. SS-AGR-422. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag422-2018](https://doi.org/10.32473/edis-ag422-2018)
- Dubeux, D., L. Sollenberger, J. Vendramini, **M. Wallau**, A. Blount, L. Garcia-Jimenez, E. Santos and D. Jaramillo. 2018. Strip-planting rhizoma peanut into grazing systems. SS-AGR-421. UF/IFAS Extension Service. [doi.org/10.32473/edis-ag421-2018](https://doi.org/10.32473/edis-ag421-2018)
- Dubeux, J., **M. Wallau**, E. Rios, Y.C. Newman, P. Munoz and K. Quesenberry. 2018. Winter forage legume guide. SS-AGR-49. UF/IFAS Extension Service. <https://edis.ifas.ufl.edu/publication/DS127>

#### OTHER EXTENSION PUBLICATIONS

Helcel, J., M. Tyson, M. Wallau, J. Cash, J.C. Cathey. 2017. Recudiendo la intromisión de especies no-objetivo mientras capturando marranos alzados. ENRI-004S. Texas A&M Agrilife Extension.

#### EXTENSION PROCEEDINGS

Da Silva, L.S., C. Bainum and **M. Wallau**. 2018. Diversifying your pasture base. In 20<sup>th</sup> Spring Ranchers Forum Proceedings, Central Florida Livestock Agents Group. March 15, 2018. Geneva, FL.

Sollenberger, L., A. Blount, J. Vendramini, K. Quesenberry, M. Castillo, K. Mullenix, and **M. Wallau**. 2013. Agronomy forage research update. p. 79. In. 2013 Beef Cattle Short Course Proceedings. University of Florida, Gainesville. (oral presentation).

**Wallau, M. O.**, Sollenberger, L. E., Quesenberry, K. H., Vendramini. 2012. Evaluating Potential New Limpograss (*Hemarthria*) Varieties. In. Handout of the 12th Annual Perennial Peanut Producers Field Day. Gainesville, FL (oral presentation).

#### FERAL HOG MANAGEMENT SERIES

Maciel, A.L.G., M.O **Wallau**, C. A Wallau, N. Molinos, L.H. Mendina Filho, T.X. dos Reis. Série Cadernos Técnicos Javalis no Brasil 05 Os riscos do manuseio e consumo da carne de porcos asselvajados (Technical Series Feral Hogs in Brazil 05 The risks of manipulating and consuming feral hog meat) . Santana do Livramento: Equipe Javali no Pampa e Rede Pampa Javali, Nov. 2016 (Technical reports series).

**Wallau, M. O.**, R. P Coelho, C. A Wallau, N. Molinos, L.H. Mendina Filho, T.X. dos Reis. Série Cadernos Técnicos Javalis no Brasil 04 Uso de jaulas no controle do javali (Technical Series Feral Hogs in Brazil 03 The use of corral traps and cages on feral hog control) . Santana do Livramento: Equipe Javali no Pampa e Rede Pampa Javali, Jul 2016 (Technical reports series).

**Wallau, M. O.**, N. Molinos, L.H. Mendina Filho, T.X. dos Reis. Série Cadernos Técnicos Javalis no Brasil 03 Javali: qual o tamanho do problema ? (Technical Series Feral Hogs in Brazil 03 Feral hogs: what's the size of the problem?) . Santana do Livramento: Equipe Javali no Pampa e Rede Pampa Javali, Maio 2016 (Technical reports series).

**Wallau, M. O.**, E.L. Silva, N. Molinos, L.H. Mendina Filho, T.X. dos Reis. Série Cadernos Técnicos Javalis no Brasil 02 Criação de porcos domésticos soltos (Technical Series Feral Hogs in Brazil 02 Raising free-ranging pigs). Santana do Livramento: Equipe Javali no Pampa e Rede Pampa Javali, Abril 2016 (Technical reports series).

**Wallau, M. O.**, R. Salerno, T.X. dos Reis, N. Molinos, L.H. Mendina Filho. Série Cadernos Técnicos Javalis no Brasil 01 - Segurança na Atividade de Caça (Technical Series Feral Hogs in Brazil 01 Hunting Safety). Santana do Livramento: Equipe Javali no Pampa e Rede Pampa Javali, Março 2016 (Technical reports series).

**POPULAR PRESS – 46 TOTAL**

#### AWARDS AND HONORS

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##### NATIONAL

2023 American Forage and Grassland Council (AFGC) Merit Award

##### STATE

2021 Florida Association of County Agricultural Agents (FACAA) Extension Specialist of the year.

2019 Dallas Townsend Extension Award by UF/IFAS for participation on Brunswickgrass project (\$2000 personal and \$1000 program funds)

## **ADDITIONAL CREDENTIALS**

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### **LANGUAGES**

- English (IELTS proficiency): read, speak and write well.
- Spanish: read, speak and write well.
- French: read and speak reasonably.
- Portuguese (mother language).

### **LICENSES**

- Bovine Artificial Insemination, Fundação Bradesco, Rosário do Sul, Brazil.

### **PROFESSIONAL MEMBERSHIPS**

- Florida Cattlemen's Association – 2017 – present
- American Society of Agronomy, 2009 – Present.
- Crop Science Society of America, 2009 – Present.
  - Chair C6 Division 2023
- Soil Sciences Society of America, 2009 – Present.
- British Grassland Society, 2009 – Present.
- American Society of Animal Science, 2009 – 2011
- American Dairy Science Association, 2009 – 2011.

### **OTHER ACHIEVEMENTS AND INVOLVEMENTS**

- EMBRAPA (Brazilian Agricultural Research Corporation) recognition and acknowledgment for wildlife management and research support, 2016.
- IBAMA (Brazilian Institute for Environmental Protection and Natural Resources) recognition for wildlife management, Hog Control Program, 2015.
- Santana do Livramento City Council (RS, Brazil) recognition for wildlife management, Hog Control Program, 2015.
- Best thesis of the Agronomy Department – University of Florida, 2014.
- 2nd place C-6 Forage and Grazing Lands: Robert F. Barns Graduate Student Oral Presentation Competition, CSSA Meeting, Tampa, FL, 2013.
- UF Agronomy Graduate Student Organization – secretary (2012-2013).
- UF Agronomy Department Social Committee – secretary (2011-2013).
- TTU Polo Club – member (2009-2010).
- TTU Agronomy Club – member (2009-2010).
- High School Student Association – president (2002-2003).

### **COMPLEMENTARY ACTIVITIES**

- Basic farm accounting and tax management, Farrapo Acessoria Contábil, Brazil.
- English for Business, London Chamber of Commerce and Industry, LCCI, England.
- PET – ESOL Examinations, University of Cambridge, Cambridge, England.
- Basic Stock Market Notions, XP Educação, XP, Brazil.
- Beef cattle health management, Serviço Nacional de Aprendizagem Rural (National Service for Rural Learning) – RS, SENAR RS, Brazil.
- Short-course: cover crops and nutrient recycle in soil, FertBio Soil Science Congress, Brazil.

## **SERVICES**

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### **UF DEPARTMENT OF AGRONOMY**

- UF/IFAS Plant Sciences Research and Education Unit, Citra, Advisory Council, 2018 - 2021

- Search Committee
  - 2023 – Assistant/Associate Professor – Extension Agronomy Everglades Research and Education Center
  - 2022 – Assistant/Associate Professor – Extension Agronomy North Florida Research and Education Center (524751)
  - 2021 – Bradford County Extension Agent I or II – Agriculture and Natural Resources
  - 2018 – Assistant Extension Scientist position (00014409)
- Agronomy Department Social Committee, 2018 – 2021.

#### **ACTIVITIES IN THE PROFESSION**

- Forages and Grassland Foundation – elected board member 2023-2025
  - Chair Scholarship applications - 2024
- Crop Science Society of America
  - Past Chair C06 Division - 2024
  - Chair C06 Division – 2023
  - Chair-elect of C06 division – 2022
  - Planning committee C06 division – 2019, 2022, 2023
  - Chair Massengale Lecture – 2022
- USDA External grant review panel – Alfalfa – 2019
- Judge student contest
  - C6 Division Crop Science Society of America annual meeting 2019, 2022
  - American Forage and Grassland Council annual conference 2021, 2022