

MARCELO OSÓRIO WALLAU

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

2083 McCarthy Hall B, Gainesville, FL, 32611

PO box: 110500

E-mail: mwallau@ufl.edu

Mobile: +1-352-260-2254

Phone: +1-352-273-2216

OVERVIEW

EDUCATION

Ph.D. Animal Science, Grassland Ecology and Management

Universidade Federal do Rio Grande do Sul (UFRGS),

Porto Alegre, Brazil (GPA 3.9).

2014 - 2017

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

2015 - 2016

And at the INRA, 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 (UFRGS), 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

Gainesville, FL, USA

Assistant Professor – Forages Extension Specialist

January 2017 – current

As state forages 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 developing and delivering extension material for producers, extension agents and general public, in cooperation with other state-wide specialists and county faculty. In an effort to tend to all major forage-dependent industries in Florida, my extension and research programs focus on pasture management for beef cattle, dairy cattle and horses, and on the environmental and economic benefits of integrated crop-livestock systems.

UNIVERSITY OF FLORIDA

Gainesville, FL, USA

Post-doctoral fellow – Dr. Esteban Rios

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

Porto Alegre, RS, Brazil

Doctoral fellow – Dr. Paulo Cesar de Faccio Carvalho

April 2014 – May 2017

My research objective is exploring 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 am also responsible for a long-term grazing experiment on native grassland, started on 1986, which is 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 am also responsible for some administrative tasks, helping on the orientation of Masters 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

Clermont-Ferrand, France

Visiting scientist – Dr. Juliette Bloor and Raphaël Martin

March 2017

For developing the computational part of my Ph.D. project, I spent one month working at the National Institute of Agricultural Research of France, 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

Davis, CA, USA

Visiting scholar – Dr. Emilio Andrés Laca

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. We also work together with a research group from INRA, from Clermont-Ferrand, in France, which were responsible for developing an earlier version of the vegetation sub-model.

UNIVERSITY OF FLORIDA

Gainesville, FL, USA

Research Assistant – Dr. Lynn E. Sollenberger

August 2011 – December 2013

During my Master's degree, I developed abilities in designing and conducting the field portion grazing and 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

Lubbock, TX, USA

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

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

*Porto Alegre, RS,
Brazil*

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

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

NORTHLANDS, FARMFAIR INTERNATIONAL (FFI)

Edmonton, AB, Canada

FFI Ambassador

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

Santana do Livramento, RS, Brazil

Founding Member

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.

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 programing.

OTHER INTERNSHIPS

VOLUNTEER

- 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

GUEST LECTURER AND TEACHING ASSISTANT

- 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 credits, offered based on demand)

EXTENSION PROGRAMS AND PRESENTATIONS

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STUDENT ADVISING

CURRENT GRADUATE ADVISOR

- Caitlin Bainum – M.S in Agronomy, concentration in Agroecology. Thesis topic: Performance and foraging behavior of horses in pasture. Current.

CURRENT GRADUATE COMMITTEE SERVICE

- Carol Cerqueira Vasco – Ph.D. in Animal Sciences. Thesis topic: Performance and foraging behavior of horses in pasture. Current. Adviser: Carissa Wickens, Animal Sciences, University of Florida

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

Rosa, C. A., **M.O. Wallau**, F. Pedrosa. Hunting as the Main Technique Used to Control Feral Hogs in Brazil. *Wildlife Soc. Bull.* (In press).

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.

Mullenix, M.K., L.E. Sollenberger, **M.O. Wallau**, A.R. Blount, J.M.B. Vendramini, and M.L. Silveira. 2016a. Herbage accumulation, nutritive Value, and persistence responses of rhizoma peanut cultivars and germplasm to grazing management. *Crop Sci.* 56(2): 907-915.

Mullenix, M.K., L.E. Sollenberger, **M.O. Wallau**, D.L. Rowland, A.R. Blount, J.M.B. Vendramini, and M.L. Silveira. 2016b. Sward Structure, Light Interception, and Rhizome- Root Responses of Rhizoma Peanut Cultivars and Germplasm to Grazing Management. *Crop Sci.* 56(2): 899-906.

Rieff, G.G., T. Natal-da-Luz, J.P. Sousa, **M.O. Wallau**, L. Hahn, and E.L. Saccol de Sá. 2016. Collembolans and Mites Communities as a Tool for Assessing Soil Quality: Effect of Eucalyptus Plantations on Soil Mesofauna Biodiversity. *Curr. Sci.* 110(4):713-719

Wallau, M.O., L.E. Sollenberger, J.M.B. Vendramini, M.K. Mullenix, K.H. Quesenberry, C.A.M. Gomide, V. Costa E Silva, and N. Dilorenzo. 2015. Herbage Accumulation and Nutritive Value of Limpograss Breeding Lines Under Stockpiling Management. *Crop Sci.* 55(5):2377-2383

Na, C.-I., L.E. Sollenberger, J.E. Erickson, K.R. Woodard, **M.O. Wallau**, and N.C. Krueger. 2014. Biomass Yield and Composition of Perennial Bioenergy Grasses at Harvests following a Freeze Event. *Agron. J.* 106(6): 2255-2262

Wallau, M. O., L.E Sollenberger, K.H. Quesenberry, J.M.B. Vendramini, M.K. Mullenix, 2014. Evaluation of limpograss (*Hemarthria altissima*) breeding lines under different grazing management. *Tropical Grasslands – Forrajes Tropicales.* 2:149-150.

Stroschein, M. R. D., **M.O. Wallau**, E.L.S. de Sá, A. Binz, M. Dall'agnol. 2011. Seleção a campo de rizóbios nativos para cornichão (Field selection of native rhizobia for bird's-foot trefoil). *Ciência Rural.* 41:1769-1772.

SUBMITTED OR IN PREPARATION

Bolzan, A.S., O.J.F. Bonnet, **M.O Wallau**, C. Basso, P.C.F. Carvalho. Foraging behavior development and diet selection by foals. *Oikos*. (in preparation)

Carvalho P.C.F, F.P. Neves, C.E. Pinto, J.K. da Trindade, C. Bremm, J. C. Mezzalira, **M. Wallau**, E. A. Laca. Moderate grazing intensities maximize short-term intake rate by heifers grazing natural grasslands. (in preparation)

Wagner, A., **M. Wallau**, D. Fontana, P. Carvalho, C. Fraisse. Variability in vegetation indices in grasslands within the Pampa in RS/ Brazil and Uruguay. (in preparation).

BOOKS

Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. 146 p. (Eletronic only).

Mendina Filho, La Hire ; **Marcelo Osório Wallau**; Tiago Xavier dos Reis. *O Javali no Pampa - contexto, biologia e manejo (Feral hogs in the Pampas – context, biology and management)*. Santana do Livramento: Pallotti, 2015. 89p.

BOOKS CHAPTERS

Wallau, M.O., J. Azambuja, G. F. da Silva Neto. Caracterização da Região e da área experimental. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 7-14. (Eletronic only).

Pinto, C.E., **M.Wallau**, I. Boldrini. Estrutura da vegetação e composição florística. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 16-20. (Eletronic only).

Cezar, J., **M. Wallau**. Morfogênese, perfilhamento e fluxo de tecidos em pastagens naturais. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 26-28. (Eletronic only).

Azambuja, J., G.F. da Silva Neto, J.G. Kuhn, C. Bremm, **M. Wallau**. Adubação como ferramenta para intensificação da produção de forragem. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 32-34. (Eletronic only).

Da Trindade, J. K., O. Bonnet, **M. Wallau**, T.C. Genro. Consumo de forragem. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 39-41. (Eletronic only).

Da Trindade, J. K., O. Bonnet, D.B. de David, **M. Wallau**, T.C. Genro. Comportamento ingestivo e seleção de dietas. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q.

da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 42-46. (Electronic only).

Wallau, M., and C. Bremm. Modelagem e simulação. In: Carvalho, P.C.F., **M.O. Wallau**, C. Bremm, O. Bonnet, J.K da Trindade, F.Q. da Rosa, T.S. de Freitas, F.G. Moojen (Editors). *Nativão: 30 anos de pesquisa em campo nativo*. Porto Alegre, 2017. p 72-74. (Electronic only).

Carvalho, P. C.F., **M. O Wallau**, P. A. Nunes, J.V. Savian, A. Zubieta, L. Silvestre, A. de Moraes. Forrageiras de Clima Temperado (Cool-season forages). In: Dilermando Miranda da Fonseca; Janaina Azevedo Martuscello. (Org.). *Plantas Forrageiras*. (in press)

CONFERENCE EXPANDED ABSTRACTS AND PAPERS

Wallau, M.O., C.L.B. Romero, A.R. Weiler, O. Bonnet, J. Bloor, R. Martin, P.C.F. Carvalho and E. Laca. Limitaciones para el consume de forraje en campo natural. In: Proc. XXIV Reunión del Grupo Técnico en Forrajes del Cono Rus – Grupo Campos. 13 – 14 May 2017, Tacuarembó, UY. p 134-136. (poster).

Rosa, C. A., **M.O. Wallau**, R. Salerno, F. Pedrosa, A.C. Souza, F. Puertas, T.X. dos Reis, L.H. Mendina Filho. An overview on feral hog management in brazil after three years of control regulation. In: 27 Vertebrate Pest Conference, 2016, Newport Beach. Proceedings for the Vertebrate Pest Conference, 2016. v. 27 (oral presentation).

Wallau, M. O., Sollenberger, L. E., Quesenberry, K. H., Vendramini, J. M. B., Mullenix, M. K. 2013. Evaluation of limpograss (*Hemarthria altissima*) breeding lines under different grazing management. p. 513-514. In D.L. Michalk et al. (ed.) Proc. Int. Grassl. Cong., 22nd, 15-19 Sept. 2013, Sydney, Australia. New South Wales Dept. Primary Industry, Orange, New South Wales, Australia (poster).

CONFERENCE ABSTRACTS

Wallau, M., O. Bonnet, J. Bloor, R. Martin, A. Bolzan, C. Basso, J. Azambuja, P. Carvalho, E. Laca. Adapting functional trait-based mechanistic model for subtropical climates. In: ASA, CSSA, and SSSA International Annual Meetings, 2017, Tampa, FL, USA (poster)

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. Foraging development on foals grazing native grasslands. In: Proc. 54^o Reunião Anual da Sociedade Brasileira de Zootecnia, 24-28 Jul 2017, Foz do Iguaçu, Brazil. 2016 (poster).

Azambuja Filho, J.C.R, O.J.F. Bonnet, S.S. Mendina, **M.O. Wallau** and P.C.F. Carvalho. Uso do teorema do valor marginal para o estudo do forrageamento de bovinos em campo nativo. In: Proc. XXIV Reunión del Grupo Técnico en Forrajes del Cono Rus – Grupo Campos. 13 – 14 May 2017, Tacuarembó, UY. p 134. (poster).

Wallau, M., O. Bonnet, L. Eloy, P. Carvalho, E. Laca. Modelling grazing in heterogeneous complex environments. 53^o Reunião Anual da Sociedade Brasileira de Zootecnia, 1-5 Aug 2016, Gramado, Brazil. 2016 (poster).

- Eloy, L.R., J.F.P. Lobato, **M.O. Wallau**, L. Pötter, E. A. Laca. Reproductive performance of heifers in pastures in Rio Grande do Sul: a meta-analytical approach. In: Proc 53° Reunião Anual da Sociedade Brasileira de Zootecnia, 1-5 Aug 2016, Gramado, Brazil. 2016 (poster).
- Wallau, M. O.**, C.A. Rosa, T.X. dos Reis, C.A. Wallau, N. Molinos, L.H. Mendina Filho. Observations on feral hog ecology in south and southeast Brazil. In: 27 Vertebrate pest conference, 2016, Newport Beach. Proceedings for the 27 Vertebrate Pest Conference, 2016 (poster).
- Sollenberger, L., A.D. Aguiar, **M. Wallau**, N. DiLorenzo, K. Quesenberry, O. Cunha, P. Ferreira, J. Vendramini. 2014. In Situ Crude Protein and Dry Matter Disappearance of Stockpiled Limpograss. In: ASA, CSSA, and SSSA International Annual Meetings, 2014, Long Beach, CA (poster).
- Mullenix, M. K., Sollenberger, L. E., Blount, A., **Wallau, M. O.**, Vendramini, J. M. B., Silveira, M. L. A. 2013. Effects of Grazing Management Strategies On Sward Responses of Rhizoma Peanut Genotypes. In: ASA, CSSA, and SSSA International Annual Meetings, 2013, Tampa, FL (poster).
- Wallau, M. O.**, Sollenberger, L. E., Quesenberry, K. H., Vendramini, J. M. B., Mullenix, M. K. 2013. Evaluation of Limpograss [*Hemarthria Altissima*] Breeding Lines for Use in Florida Forage-Livestock Systems. In: ASA, CSSA, and SSSA International Annual Meetings, 2013, Tampa, FL (oral presentation).
- Vendramini, J. M. B., Sollenberger, L. E., Quesenberry, K. H., Blount, A., Aguiar, A. D., Silva, W. L., Sanchez, J. D., Galzerano, L., **Wallau, M. O.** 2013. Limpograss Breeding Line Responses To Grazing Frequency In South Florida. In: ASA, CSSA, and SSSA International Annual Meetings, 2013, Tampa, FL (poster).
- Na, C., Sollenberger, L. E., Erickson, J. E., Vendramini, J. M. B., Silveira, M. L. A., **Wallau, M. O.**, Woodard, K. 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, 2013, Tampa, FL (poster).
- Wallau, M. O.**, Sollenberger, L. E., Quesenberry, K. H., Vendramini, J. M. B. 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, 2012, Cincinnati, OH (oral presentation).
- Stroschein, M. R. D., **Wallau, M. O.**, Sá, E. S. De, Dall'agnol, M., São José, J. F. B., Granada, C. E., Silveira, M. S. 2008. Seleção a Campo de Rizóbios de *Lotus corniculatus* cv. São Gabriel, Fertbio 2008 (Rhizobia field selection for *Lotus corniculatus* CV São Gabriel), XXVIII Reunião Brasileira de Fertilidade do Solo e Nutrição de Plantas, 2008, Londrina - PR. Fertbio 2008 - XXVIII Reunião Brasileira de Fertilidade do Solo e Nutrição de Plantas. Londrina - PR : EMBRAPA (poster).
- Wallau, M. O.**, Stroschein, M. R. D., Sá, E. S. De, Dall'agnol, M., São José, J. F. B., Granada, C. E., Silveira, M. S. 2008. Seleção a Campo de Rizóbios de *Lotus corniculatus* cv. São Gabriel (Rhizobia field selection for *Lotus corniculatus* CV São Gabriel), XX Salão de Iniciação Científica e XVII Feira de Iniciação Científica, 2008, Porto Alegre. Livro de Resumos (oral presentation).

EXTENSION PUBLICATIONS AND REPORTS

EDIS SERIES

Blount, A.R., **M. Wallau**, E. Rios, J. M. B. Vendramini, J. C. B. Dubeux, Md. A. Babar, K. E. Kenworthy, and K. H. Quesenberry. 2017 Cool-season forage variety recommendations for Florida. SS-AGR-84.

Sellers, B., J. Ferrell, J. Vendramini, and **M. Wallau**. Weed management during pasture establishment. SS-AGR-27

Vendramini, J., L.E. Sollenberger, K. Quesenberry, **M. Wallau**, J.C.B. Dubeux Jr. and Y. Newman. Limpograss (*Hemarthria altissima*): overview and management. SS-AGR-320.

OTHER EXTENSION PUBLICATIONS

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 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

Molinos, N., **M. Wallau**, L.H. Mendina Filho, T.X dos Reis. 2016. Javali: mais um desafio ao produtor (Feral hogs: one more challenge for producers). Informativo Rural da Associação e Sindicato Rural de Santana do Livramento (Rural Newsletter, Rural Syndicate and Association of Santana do Livramento) Vol 1, Issue 1, Agu 2016.

PRESENTATIONS GIVEN

- **Wallau, M.O.** Cool-season forages for Florida. Silver Spurs, Kenesville, FL, 14 Dec 2017 (25 participants)
- **Wallau, M.O.** Cool-season forages for Florida. Live Oak, FL, 26 Oct 2017 (20 participants)
- **Wallau, M.O.** Meeting new faculty: Marcelo Wallau – Forages extension specialist. Forage workers tour, Citra, 21 Aug 2017. (50 participants)
- **Wallau, M.O.** Criando oportunidades e ampliando horizontes (creating opportunities and amplifying horizons). Ciência na Graduação, Grupo de Ecologia de Pesquisa em Pastejo, Unviersidade Federal do Rio Grande do Sul. Porto Alegre, 26 Aug 2017. (150 participants)
- **Wallau, M.O.**, L.H. Mendina Filho, T.X dos Reis and M. Molinos. O manejo do javali na propriedade rural (Feral hog management on rural proprety). Javali em Debate, Sindicato Rural de Dom Pedrito (Feral Hog in debate, Farmers Association of Dom Pedrito). Dom Pedrito, Brazil, 27 Jun 2017 (60 participants).
- **Wallau, M.O.** and O. Bonnet. Compriendiendo las relaciones de consume en campo natural (Comprehending intake relationships in native grasslands). XXIV Reunión del Grupo Técnico en Forrajeras del Cono Rus – Grupo Campos. 13 May 2017, Tacuarembó, Uruguay. (300 participants)
- **Wallau, M.O.**, L.H. Mendina Filho, T.X dos Reis and M. Molinos. A ameaça do javali ao Pampa: riscos produtivo e ambiental e medidas de controle (Feral hogs threat: risks to production and environment, and control measures). Expofeira de Alegrete (County fair in Rosario do Sul). Alegrete, RS. 14 Oct. 2016.
- **Wallau, M.O.**, L.H. Mendina Filho, T.X dos Reis and M. Molinos. Manejo Integrado do Javali (Integrated feral hog management). Expofeira de Rosário do Sul (County fair in Rosario do Sul). Rosario do Sul, RS. 9 Oct. 2016. (140 participants)
- **Wallau, M.O.**, L.H. Mendina Filho, T.X dos Reis and M. Molinos. Manejo Integrado do Javali (Integrated feral hog management). 1º Encontro Pró-caça legalizada (1st Pro-legal hunting meeting). São Lourenço do Sul, RS. 1 Oct. 2016 (150 participants)
- **Wallau, M.O.**, L.H. Mendina Filho, T.X dos Reis and M. Molinos. Prejuízos socioeconômicos dos porcos asselvajados potenciais e conhecidos no Brasil (Socialeconomic damage by feral hogs in Brazil). Seminário Javali no Território Nacional. ICMBio, Ministério do Meio Ambiente, Brasília, DF. 30 Aug. 2016 (60 participants).
- **Wallau, M.O.** Desenvolvendo o jovem pesquisador (Developing the young researcher). Workshop Brazilian Animal Science Society Annual Meeting. Gramado, RS. 1 Aug. 2016 (25 participants).
- **Wallau, M.O.**, L.H. Mendina Filho. Legislação e defesa do produtor por danos causados por javalis (Legislation and producers' defense against damage by feral hogs). IV Seminário Ovinos na Campanha (4th Seminar Sheep Production on the Pampas). Sindicato Rural de Santana do Livramento, RS. 20 Jul 2016 (85 participants).
- **Wallau, M.O.** Manejo de campo nativo – 29 anos de experimentação (Native grassland management – 29 years of experimentation). Dia de Campo da Estação Experimental Agronômica UFRGS (Experimental Staion field day), Eldorado do Sul, RS. 10 Apr 2015 (100 participants).

ADDITIONAL CREDENTIALS

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.
- 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.

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.

EVENT ORGANIZATION

- Field Day - Estação Experimental Agrônômica – UFRGS. 10 April, 2015. Eldorado do Sul, RS, Brazil.
- II Annual Agronomy Roundtable: Improving networks and developing professionals. UF Agronomy Graduate Student Association. 28 Feb 2013, University of Florida, Gainesville, FL.
- Perennial Peanut Producers Field Day, UF Agronomy Department. 21 July 2012. UF/IFAS Beef Research Unit, University of Florida, Gainesville, FL.