

## CURRICULUM VITAE

**Lynn E. Sollenberger**

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### **Educational Background:**

Ph.D.	1985	Agronomy	University of Florida
M.S.	1981	Agronomy	Pennsylvania State University
B.A.	1979	Biology	Messiah College (PA)

### **Professional Experience:**

2015 -	Distinguished Professor of Agronomy, University of Florida
2015 -	Distinguished Teaching Scholar, University of Florida
2014 -	Graduate Coordinator, Agronomy Department, University of Florida
2007 - 2010	Graduate Coordinator, Agronomy Department, University of Florida
2006 - 2014	Associate Chair, Agronomy Department, University of Florida
2000	Visiting Professor, University of Queensland, Brisbane, Australia
1994 - 2015	Professor of Agronomy, University of Florida
1993	Visiting Professor, Pennsylvania State University
1990 - 1994	Associate Professor of Agronomy, University of Florida
1985 - 1990	Assistant Professor of Agronomy, University of Florida

### **Areas of Specialization:**

Plant-herbivore interactions in grasslands  
Environmental impact and ecosystem services of grassland-based agriculture  
Sustainable agricultural systems  
Nutrient dynamics in grasslands  
Bioenergy feedstock from grasses

### **Honors and Awards:**

#### **National/International**

1. Fellow, America Association for the Advancement of Science (2024; one of 18 scientists working in agriculture in the US who were named Fellow in 2024)
2. A *Crop Science* Top-Cited Article – 2024 (Paper written by former student [co-chair] Leo Moreno – Shade and nitrogen fertilization affect forage accumulation and nutritive value of C4 grasses differing in growth habit)

3. A *Crop Science* Top-Cited Article – 2024 (Paper written by former student [committee member] Erick Santos – Grazing management effects on cover crop responses and cotton lint yield)
4. *Crop Science* Division C6 – Paper of the Year (Third place) – 2023 (co-author of paper assessing shade and plant growth habit effects on regrowth following defoliation)
5. An *Agronomy Journal* Top-Downloaded Article – 2023- (co-author of paper comparing nutrient cycling in N-fertilized grass and grass-legume pastures - Garcia)
6. A *Crop Science* Top-Downloaded Article – 2023 (co-author of paper comparing water footprint of N-fertilized grass and grass-legume pastures - Jaramillo)
7. A *Crop Science* Top-Cited Article – 2023 (co-author of paper comparing water footprint of N-fertilized grass and grass-legume pastures - Jaramillo)
8. An *Agronomy Journal* Top-Cited Article – 2023 (co-author of paper comparing nutrient cycling in N-fertilized grass and grass-legume pastures - Garcia)
9. *Crop Science Division C6* – Paper of the Year – 2022 (co-author - Jaramillo)
10. A *Crop Science* Division C6 – Paper of the Year – 2021 (paper authored by Sollenberger’s M.S. mentee Katie Cooley)
11. A *Crop Science* Top-Cited Article – 2020 (paper on grassland agroecosystems authored by Sollenberger and colleagues)
12. A *Grass and Forage Science* Top-Cited Article – 2020 (paper on silvopastoral systems authored by collaborating visiting scientist Bruno Pedreira)
13. *Crop Science* Outstanding Reviewer (2019) – reviewer selected by journal editorial board for outstanding editorial service to the journal
14. Named “Giant of Agricultural Progress and Impacts from Public Agricultural Research” by the Crop Science Society of America (2017)
15. *Agronomy Journal* Outstanding Reviewer (2011) – reviewer selected by journal editorial board for outstanding editorial service to the journal
16. Fellow, Crop Science Society of America (2004; award granted to no more than 0.3% of membership each year)
17. Fellow, American Society of Agronomy (1998; award granted to no more than 0.3% of membership per year)
18. National Association of Colleges and Teachers of Agriculture “Teachers Award of Merit” (1997-1998; one award per member institution given annually to the outstanding teacher in the College of Agriculture or equivalent college)
19. Merit Award (1997) - given by the American Forage and Grassland Council to persons who have made significant contributions to grassland agriculture through teaching, research, or extension

### **University of Florida**

1. 2023-24 University of Florida Teacher-Scholar of the Year – The oldest and most prestigious award offered to a UF faculty member, this award is given to one faculty member per year whose scholarship or creative activity is recognized both nationally and internationally as innovative and pace-setting and whose teaching and mentoring are both exemplary.
2. UF-IFAS High Impact Publication Author (co-author on paper selected by IFAS Dean for Research as one of 8 most impactful papers in UF-IFAS in 2021 - Jaramillo)

3. CALS Undergraduate Teacher of the Year - University of Florida Block and Bridle Club (2021)
4. UF-IFAS High Impact Publication Author (lead author on paper selected by IFAS Dean for Research as one of 8 most impactful papers in UF-IFAS in 2020)
5. University of Florida Term Professorship (2017-2020)
6. UF-IFAS High Impact Publication Author (co-authored paper selected by IFAS Dean for Research as one of approximately 10 most impactful papers in 2016)
7. Named Distinguished Teaching Scholar (academic title) and member of the University of Florida Academy of Distinguished Teaching Scholars (2015; three faculty members selected per year from the University of Florida based on outstanding scholarship in research and teaching)
8. Doctoral Mentoring Award (2014; given to four to six faculty members annually at University of Florida based on excellence in mentoring Ph.D. students)
9. Teacher of the Year, University of Florida Block and Bridle Club (2013)
10. UF-IFAS High Impact Publication Author (co-authored paper selected by IFAS Dean for Research as one of approximately 10 most impactful papers in 2013)
11. Gamma Sigma Delta International Award for Distinguished Service to Agriculture, University of Florida Chapter (2012)
12. University of Florida Research Foundation Professor (2012-2015; recognition based on research productivity [grants, publications, mentoring] during the past five years)
13. Gamma Sigma Delta Senior Faculty Award, University of Florida Chapter (2010)
14. Salary Pay Plan Award, University of Florida (given to faculty who demonstrate outstanding productivity after promotion to full professor; 2009)
15. Fellow, CALS Academy of Teaching Excellence, University of Florida (2008)
16. Teacher of the Year, University of Florida Block and Bridle Club (2007)
17. ESCOP/ACOP Leadership Development Intern (2004-2005; selected by the Dean of the College of Agricultural and Life Sciences)
18. University of Florida Research Foundation Professor (2004-2007; recognition based on research productivity [grants, publications, mentoring] during the past five years)
19. Salary Pay Plan Award, University of Florida (2002; given to faculty who demonstrate outstanding productivity after promotion to full professor)
20. Teaching Incentive Program Award, University of Florida (1998; given to approximately six faculty in CALS for outstanding classroom instruction)
21. Graduate Teacher and Advisor of the Year Award in the University of Florida College of Agricultural and Life Sciences (1997-1998)
22. Superior Accomplishment Award (1995) - given to no more than five faculty in IFAS annually to recognize superior research and teaching at the University of Florida
23. Teaching Incentive Program Award, University of Florida (1994; given to approximately six faculty in CALS annually for outstanding classroom instruction)
24. Gamma Sigma Delta Junior Faculty Award (1994) - recognizes outstanding young faculty member in IFAS at the University of Florida
25. Award for Excellence for Graduate Research (1985) - Outstanding dissertation in the University of Florida Agronomy Department

## **Present Job Responsibilities (50% Research, 40% Teaching, 10% Service)**

I teach and conduct research in grassland ecology, management, and utilization. Grasslands cover more than 40% of Earth's ice-free surface and are most abundant in areas where the soil quality and climate do not support production of food for direct human consumption. An alternative land use in these areas is growing grass to feed livestock which in turn convert human-inedible products into high quality human foods. In fact, grasslands grazed by livestock are the largest single land-use type globally, occupying 15.4 million square miles (40 million km<sup>2</sup>). On a regional basis, grasslands occupy 32% of land in the southeastern US and support 15 million beef and dairy cows. Within Florida, 5.4 million acres of grasslands feed 1.3 million cattle and contribute more than \$1.2 billion annually to the state's economy. Beyond their economic contributions to agriculture and provision of human food from livestock products, grasslands contribute broadly to society. They provide habitat to support wildlife and plant species diversity, are more effective than any other agricultural land-use type at removing carbon dioxide from the atmosphere and sequestering carbon in soil, capture and purify rainwater as it moves through soil, minimize soil erosion, and improve water quality and soil health. However, these societal benefits, i.e., ecosystem services, are offset to varying degrees by greenhouse gas emissions from livestock and potential for environmental degradation when grasslands are managed improperly. The tension between grassland ecosystem services on one hand, and disservices from grassland agriculture on the other, creates a fertile opportunity for scholarly activity. Through effective communication of existing knowledge (**teaching**) and development of innovative knowledge and technology (**research**), I strive to shift the observed outcomes of grassland management firmly in the direction of ecosystem services and away from disservices. The sheer magnitude of the global, national, and Florida grassland resource provides compelling evidence of the importance of this work.

I specialize in the areas of grassland ecosystem services, grassland ecology, management, and utilization, and nutrient cycling in grasslands. My job duties are allocated among teaching (40%), research (50%), and service (10%). I have 100% responsibility for the entirety of the grassland **teaching** effort at UF, including one undergraduate (4 credits taught annually in Spring semester) and three graduate courses (a 4-credit course taught annually in Spring semester, and two 3-credit courses taught in alternating years in Summer and Fall terms). This menu of graduate courses supports the most prominent and productive graduate-training program in grassland science in the US, and graduate student mentoring is an important responsibility of the position.

My **research program** develops new knowledge and technology leading to an increase in ecosystem services delivery by grassland agriculture. Targeted outcomes include reduction in use of high cost and high carbon footprint inputs (e.g., nitrogen fertilizer), reduction in ecosystem disservices (e.g., methane and nitrous oxide emissions which contribute to climate change), and increased sustainability of grassland agriculture systems in warm climates. This is accomplished through delivery of practical and economically viable technology (e.g., management alternatives and practices) and products (e.g., new forage species and cultivars) that provide superior tools for grassland managers and support enhanced provision of ecosystem services.

The current **service** component of the position includes the role of Graduate Coordinator of Agronomy (graduate program census of ~90 students; 14 years) and Director of the Forage

Evaluation Laboratory (a core lab serving UF research faculty; >30 years). I provide university service as former chair and member of the Academy of Distinguished Teaching Scholars, chair of the UF Graduate Assistant Teaching Awards Committee (evaluates TA teaching performance), member of the CALS Council for Teaching Enhancement and Innovation, and as a regular member of UF award committees including Doctoral Mentoring, UF Foundation Term Professorship, Teacher/Scholar of the Year, Undergraduate Teacher of the Year, and Undergraduate Faculty Advisor/Mentor of the Year. In addition, I lead and serve regularly on mentoring committees for junior faculty and peer review of teaching committees. I also provide service to professional societies and my discipline through editorial boards, journal and grant peer review, and service on society committees.

## **Research**

### *Research Situation, Overall Focus, and Products*

Grasslands in Florida occupy 5.4 million acres, provide approximately 70% of feed nutrients for the state's livestock (2022 farm gate value of \$1.2 billion), and contribute significantly to the \$6 billion/year equine industry. Grasslands provide habitat for much of the state's terrestrial wildlife and many native plant species, sequester ~25% of organic carbon in state soils, and present an extensive root system that removes excess nutrients from soil water and protects ground water quality.

My lab conducts research on grassland-herbivore agroecosystems. We prioritize high quality graduate student training and building efficient and productive multi-disciplinary teams that address crosscutting problems among soil, plant, and animal systems. Broad areas of emphasis include 1) defining mechanisms of grassland-herbivore interactions to facilitate improved grassland management and system sustainability, and 2) integration of legumes into grasslands to enhance delivery of vital ecosystem services. There are limited federal funds to support grassland research, but my group has acquired \$6.40 million in grants and contracts during my career (PI for \$3.41 million), including two recent USDA-NIFA awards. These inputs to the program were used to train 69 graduate students (32 Ph.D. and 37 M.S. with me as chair or co-chair) and publish 306 refereed journal articles, 25 book chapters, and 25 refereed conference proceedings. Our publications have been cited more than 10,300 times, including over 4400 citations since 2019 and a four-year average (2020-2023) of >850 citations/year (<https://scholar.google.com/citations?user=k5xt4gsAAAAJ&hl=en>). The career h-index is 50 (31 since 2019), and the i10-index is 252 (145 since 2019), despite the relatively small community of grassland scientists nationally and globally. Our data are published in a broad array of high-quality agricultural and natural resource journals in the US, Europe, and South America. These include the flagship journals of the most relevant and prominent US scientific societies (e.g., *Agronomy Journal*, *Crop Science*, *Soil Science of America Journal*, and *Journal of Animal Science*), as well as high profile, long-standing international journals like *Agricultural Systems*, *Grass and Forage Science*, *Journal of Agricultural Science*, *Agroforestry Systems*, *Nutrient Cycling in Agroecosystems*, and *Agriculture, Ecosystems, and the Environment*.

### *Recognition of the Research Program*

Recognition of program contributions to science are numerous. I am a Fellow of the American Association for Advancement of Science (AAAS), the Crop Science Society of America and the American Society of Agronomy. In 2017, I was named a “Giant of Agricultural Progress and Impacts from Public Agricultural Research” by the Crop Science Society of America. My work at UF has been recognized by awarding of the 2023 Teacher-Scholar of the Year Award, the oldest and most prestigious award offered to one UF faculty annually. I have received two UF Research Foundation Professorships and a UF Term Professorship and have been recognized as a UF Distinguished Professor and member of the UF Academy of Distinguished Teaching Scholars. My mentees currently compose the largest cohort of tenure track grassland researchers (17) arising from any lab in the US, and my mentoring accomplishments were recognized in 2014 with the UF Doctoral Mentoring Award.

### **Teaching and Mentoring**

#### *Context of the Teaching Program*

My teaching emphasizes the ecosystem services and disservices of grasslands. The depth of content and the degree to which mechanisms are elaborated are tailored to the level and composition of the class. As alluded to earlier, the focus on grasslands is justified because they compose the largest proportion of ice-free terrestrial surface globally (>40%), nationally (42%), and regionally (32%). In addition, the number of herbivores utilizing grasslands is large, affecting the human food supply and the ecology of Earth. The story of how grassland agriculture impacts climate is a mixed bag, not all positive or negative. For example, while there is a huge reservoir of carbon sequestered in soils under grasslands, reducing amounts of abundant greenhouse gases in the atmosphere, the herbivores utilizing grasslands emit greenhouse gases that exacerbate climate change. Before the student is prepared to effectively manage grasslands or develop relevant research questions and hypotheses, they need to understand the concepts and mechanisms underlying soil, plant, and herbivore functions and interactions. My courses equip them to assess or further elucidate how management decisions for a specific grassland ecosystem affect the output of ecosystem services or disservices.

Undergraduates taking my class may be livestock producers, ecologists or anything between, so their perspectives of the merits of grassland agriculture cover the gamut. Regardless of their personal beliefs, I advance the idea that an educated person is able to effectively support either side of a controversial issue by presenting rational arguments, founded in science. This approach leads to enlightening interaction. The depth of understanding of relevant issues that a student takes away from my class determines whether the grassland ecosystems they or their clientele manage will move the world incrementally toward or away from a climate catastrophe. In the case of graduate students, my courses are designed to create a deep, mechanistic understanding of how all components of a grassland ecosystem interact, enabling them to develop novel and impactful hypotheses for further research.

Thus, the focus of the teaching effort reflects the land grant mission of UF by providing information leading to betterment of the lives of Florida residents, while also contributing to the

development of new or expanded knowledge, a requisite for scientific inquiry at an R1 university. By training future scientists, advisers, and practitioners to prioritize enhanced delivery of ecosystem services by grasslands, the potential is increased for real impacts in the fight against climate change.

### *Educational Approach, Teaching Philosophy and Goals*

My **educational approach** reflects the core value that instructional immediacy is a requisite first step for optimizing instructor-student interactions and maximizing long-term positive impacts on students' personal and professional lives. Immediacy is a general term that refers to the ways teachers can lessen the emotional distance between themselves and their students. It conveys that the instructor is approachable and interested in student welfare. The literature suggests verbal and non-verbal expressions of instructor immediacy inspire students to become more motivated, attentive, and engaged. What does this look like in my experience? Through intentional application of immediacy, I have seen unengaged students start to ask questions in class or seek me out after class. Students who knew nothing about plants or "knew" they were not interested in plants on day one of class choose to minor in plant science. Students tell me that none of their other instructors took time to know their name or their interests. Some choose to do a graduate degree in my program or my department. Of course, not all students are reached by immediate behaviors, and large classrooms can limit options for implementation. I can state categorically, however, that in my years of teaching at UF, students have reacted positively to immediate behaviors, creating a mutually rewarding experience in the classroom and in subsequent interactions.

Stated simply, my **goals for teaching** are to enthuse, equip, challenge, and yes, even entertain. Students should find my *enthusiasm* for grassland science infectious. I expose them to information that is relevant and useful, that *equips* them for their life after UF. Doing this well may save them or people they advise a lot of money and frustration. Some of my students do not know how accomplished they can be because they have not been *challenged* sufficiently. When the semester ends, they should have a clearer vision of their ability to achieve. Many things in life are not *fun*, but time spent in the classroom should be anticipated and enjoyed. Sometimes humor is the only way to bring a student back into a conversation and capture their attention for discussion of a key concept. The intent is not necessarily to be funny, but to be engaging and relatable, teaching substantive content in a manner that both students and I enjoy.

By caring for content and practicing immediacy, it is possible to create a setting where knowledge gain and personal growth occur simultaneously.

### *Student Evaluation of Teaching*

I teach one undergraduate and three graduate courses. The undergraduate course and one of the graduate courses are taught each year in Spring semester, while the other two graduate courses are taught in alternating years in either Summer term or Fall semester. During the ten-year period from 2014 through 2023, I have offered these courses a total of 29 times (the sum of number of offerings across the four courses that I teach). At University of Florida, all courses are evaluated by students each time they are taught. A summary of student evaluations of teaching is presented below.

**Ten-year averages (2014-2023) of student evaluations of instructor and overall course for Sollenberger compared with those of his department and college (29 courses taught in period).**

Period	n	Sollenberger		Department Overall		College Overall	
		Instructor	Course	Instructor	Course	Instructor	Course
2014-2023	29	<b>4.89<sup>a</sup></b>	<b>4.80<sup>a</sup></b>	4.49	4.34	4.45	4.35

<sup>a</sup> Scale of 1 to 5, with 5 = highest and 1 = lowest

*Mentoring Activities*

Formal mentoring of graduate students has been a point of emphasis. Over the span of my career, I have chaired or co-chaired the committees of 68 graduate students (32 Ph.D. and 36 M.S.). Seventeen of my mentees (committee chair or co-chair) are in tenure-track positions at major US universities. In addition, former students serve as faculty at outstanding academic institutions in their own countries, including University of São Paulo (Brazil), Chinese Agricultural University, and Gyeongsang National University (South Korea). Others serve prominent national research organizations including EMBRAPA in Brazil (three former students), INTA in Argentina (one student), and KALR in Kenya (one student). In the last decade, I have served as chair or co-chair of 13 Ph.D. and 15 M.S. committees and as a member of 22 Ph.D. and 16 M.S. committees. Graduates from my program in the last 10 years currently occupy tenure-track academic positions at North Carolina State University, University of Wisconsin-Madison, University of Florida, Auburn University, Clemson University, Oklahoma State University, University of Hawaii, and the aforementioned Gyeongsang National University in South Korea. In the last 10 years, my former students have been recognized six times with the award of Fellow of either the American Society of Agronomy or the Crop Science Society of America (0.3% of members receive this award in a given year), three former students have provided 14 years of continuous service as the Grassland Science section editor for our primary society journal (*Crop Science*), six have served on the editorial board of that journal, and three have served on the board of directors or as division program chair for the society's national meeting.

I have been actively involved in mentoring junior faculty, as chair of two and a member of five faculty mentoring committees, and as an invited peer reviewer of teaching, serving as chair of five and member of nine other assessment committees. Since 2014 I have hosted 15 Ph.D. students, 11 undergraduate research trainees, and 12 faculty members on sabbatical leave. The 15 Ph.D. students were enrolled at other universities, primarily internationally, and came to



participate in 6-12-month “sandwich” programs in my laboratory. The undergraduate research trainees, representing both domestic and international students, typically spent 3-6 months with my group, and in many cases this experience provided a gateway to graduate studies. Twelve faculty members from other universities joined my lab for sabbatical programs of 6-18 months. Some developed research projects, others participated in ongoing research, and many used the opportunity to interact with me and other UF scientists to analyze data and write manuscripts to enhance their professional credentials.

## Career Publications

**Refereed Journal Articles** (<sup>g</sup>, lead author is a graduate student for whom Dr. Sollenberger was committee chair or co-chair or primary mentor at the time the work was conducted; <sup>f</sup>, lead author is a post-doc or visiting scientist for whom Dr. Sollenberger was the primary mentor/collaborator; primary authors underlined, Sollenberger highlighted).

1. Vieira-Filho, L.P., M.L. Silveira, M.M. Kohmann, **L.E. Sollenberger**, J. Sanchez, A. Cardoso, and E. Ricken. 2024. Agronomic impacts of new regulations governing land application of Class B biosolids in Florida. *Agron. J.* 116:141-152. <https://doi.org/10.1002/agj2.21510>
2. Barreta, D.A.<sup>f</sup>, F.L. Winter, F.C.S. Gislon, **L.E. Sollenberger**, and A.F. Sbrissia. 2023. Managing a mixed sward for maintaining species diversity and functional diversity. *European J. Agron.* 149:126883. <https://doi.org/10.1016/j.eja.2023.126883>
3. Barreta, D.A.<sup>f</sup>, D. dos S. Comassetto, F. Piran, **L.E. Sollenberger**, and A.F. Sbrissia. 2023. Species and functional diversity of cool-season pastures are influenced by warm-season grazing management. *Agric. Syst.* 211:103728. <https://doi.org/10.1016/j.agry.2023.103728>
4. Caram, N.<sup>g</sup>, P. Soca, L.E. Sollenberger, W. Baethgen, M.O. Wallau, M.E. Mailhos. 2023. Studying beef production evolution to plan for ecological intensification of grazing ecosystems. *Agric. Syst.* 205:103582. <https://doi.org/10.1016/j.agry.2022.103582>
5. Carvalho, A.P.S., L.F. Domiciano, I.G.N. Paraiso, D.S.M. Silva, L.S. Cabral, **L.E. Sollenberger**, D.H. Pereira, and B.C. Pedreira<sup>f</sup>. 2023. Herbage and animal responses on continuously stocked ‘Ipyporã’ and ‘Mulato II’ brachiariagrasses. *Grass Forage Sci.* 78:137–146. <https://doi.org/10.1111/gfs.12595>
6. Garzon, J.E.A., J.M.B. Vendramini, M.L. Silveira, J.C.B. Dubeux, Jr., **L.E. Sollenberger**, H.-L. Liao, P. Moriel, H.M.S. Silva, V.C. Gomes, M. Igor, and N.M. Alencar. 2023. Residue management and genotype effects on sunn hemp decomposition. *Agron. J.* 115:261–272. <https://doi.org/10.1002/agj2.21193>
7. Garzon, J.E.A., J.M.B. Vendramini, M.L. Silveira, J.C.B. Dubeux, Jr., S. Liao, **L.E. Sollenberger**, H.M.S. da Silva, V.C. Gomes, and H.M.R. de Oliveira. 2023. Overseeding aescynomene and N fertilization effects on forage characteristics, N fixation, and N<sub>2</sub>O emissions of bahiagrass pastures. *Crop Sci.* 63:2594–2607. <http://doi.org/10.1002/csc2.20981>
8. Harling, J.F., Jr.<sup>g</sup>, E.F. Rios, C.H. de Souza, **L.E. Sollenberger**, J.C.B. Dubeux, Jr., and M.O. Wallau. 2023. Defoliation management affects performance of alfalfa-bermudagrass mixtures in the southeastern USA. *Agron. J.* 115:1776–1786. <https://doi.org/10.1002/agj2.21296>

9. Hayes, H.A.<sup>g</sup>, M.O. Wallau, N. Caram, **L.E. Sollenberger**, K.E. Kenworthy, and E. van Santen. 2023. Evaluation of early-stage tetraploid bahiagrass breeders' lines under grazing. *Crop Sci.* 63:1646–1658. <https://doi.org/10.1002/csc2.20930>
10. Jaramillo, D.M., M. Ruiz-Moreno, J.M.B. Vendramini, **L.E. Sollenberger**, N. DiLorenzo, L.M.D. Queiroz, E.R.S. Santos, L. Garcia, D.S. Abreu, and J.C.B. Dubeux, Jr. 2023. Methane emissions and 13C composition from beef steers consuming binary C3-C4 diets. *J. Anim. Sci.* 101:skad181. <https://doi.org/10.1093/jas/skad181>
11. Rouquette, Jr., F.M., **L.E. Sollenberger**, and J.M.B. Vendramini. 2023. Grazing management and stocking strategy decisions for pasture-based beef systems: Experimental confirmation vs testimonials and perceptions. *Transl. Anim. Sci.* 7:txad069. <https://doi.org/10.1093/tas/txad069>
12. Santos, E.R.S., J.C.B. Dubeux, Jr., **L.E. Sollenberger**, C. Mackowiak, C.C. Vela Garcia, G.M. da Silva, M.C.B. Siqueira, D.M. Jaramillo, F. van Cleef, L. Zagato, D.S. Abreu, and N. DiLorenzo. 2023. Grazing intensity effects on sward responses of UF Riata bahiagrass. *Crop Sci.* 63:3122–3135. <http://doi.org/10.1002/csc2.21069>
13. Santos, E.R.S., J.C.B. Dubeux, Jr., C. Mackowiak, **L.E. Sollenberger**, G.D. Farias, G. Rossizoo, D. Jaramillo, L. Zagato, L.M.D. Queiroz, D.L. Wright, N. DiLorenzo, and M. Ruiz Moreno. 2023. Above and belowground litter decomposition of cover crops grazed at different intensities. *Grass Forage Sci.* 78:376–389. <http://doi.org/10.1111/gfs.12617>
14. Thomas, K.M., A.R. Blount, G.W. Knox, C. Mackowiak, and **L.E. Sollenberger**. 2023. Ornamental rhizoma peanut: Perceptions and use by Florida consumers. *HortScience* 58:1178-1182. <http://doi.org/10.21273/HORTSCI17254-23>
15. Vieira-Filho, L.P., M.L. Silveira, M.M. Kohmann, C.A.R. Sales, **L.E. Sollenberger**, J.H. Bhadha, S. Strauss, and P. Moriel. 2023. Water table effect on phosphorus solubility in biosolids-amended soils. *Soil Sci. Soc. Amer. J.* 87:1191–1206. <https://doi.org/10.1002/saj2.20568>
16. de Paula, H.V.G., J.M.B. Vendramini, **L.E. Sollenberger**, P. Moriel, H.M. da Silva, J. Garzon, H.M.R. de Oliveira, I.M. Ferreira, and A.C. dos Santos. 2022. Hbage accumulation, nutritive value, and persistence of new warm-season perennial grasses. *Crop, Forage, and Turfgrass Sci.* 8:e20168. <https://doi.org/10.1002/cft2.20168>
17. Harling, J.F., Jr., **L.E. Sollenberger**, E.F. Rios, J.C.B. Dubeux, Jr., and M.O. Wallau. 2022. Managing bermudagrass competition to overseeded alfalfa. *Agrosyst. Geosci. Environ.*, 5:e20279. <https://doi.org/10.1002/agg2.20279>
18. Jaramillo, D.M., J.C.B. Dubeux, Jr., M. Ruiz-Moreno, N. DiLorenzo, J.M.B. Vendramini, **L.E. Sollenberger**, C.L. Mackowiak, L.M.D. Queiroz, L. Garcia, and E.R.S. Santos. 2022. Stable isotopes of C and N differ in their ability to reconstruct diets of cattle fed

- C3-C4 forage diets. Scientific Reports 12:17138. <https://doi.org/10.1038/s41598-022-21051-4>
19. Kohmann, M.M., M.O. Bauer, **L.E. Sollenberger**, L.S.B. Moreno, L.S. da Silva, S. Saraiva, and J.C.B. Dubeux Jr. 2022. Legume proportion affects bahiagrass-rhizoma peanut mixture performance and legume composition of cattle diets. Applied Animal Science 38:560-569. <https://doi.org/10.15232/aas.2022-02297>
  20. Lara, M.A.S., V.J. Silva, C.G.S. Pedreira, and **L.E. Sollenberger**. 2022. Regrowth of brachiariagrasses as related to stubble characteristics under N fertilization and irrigation. Crop Sci. 62:2557–2567. <https://doi.org/10.1002/csc2.20831>
  21. Moreno, L.S.B.<sup>§</sup>, K.J. Boote, **L.E. Sollenberger**, J.C.B. Dubeux, Jr., M.M. Kohmann, and D.N.L. Pequeno. 2022. Shade and nitrogen fertilization affect forage accumulation and nutritive value of C4 grasses differing in growth habit. Crop Sci. 62:512–523. <https://doi.org/10.1002/csc2.20617>
  22. Santos, E.R.S., J.C.B. Dubeux, Jr., **L.E. Sollenberger**, C. Mackowiak, D.L. Wright, N. DiLorenzo, M.C.B. Siquera, C.C. Vela Garcia, L.M.D. Queiroz, F. van Cleef, L. Garcia, and M. Ruiz-Moreno. 2022. Grazing management effects on cover crop responses and cotton lint yield. Crop Sci. 62:2523–2536. <https://doi.org/10.1002/csc2.20766>
  23. Santos, E.R.S., J.C.B. Dubeux Jr., **L.E. Sollenberger**, M.C. Siqueira, F. van Cleef, D.M. Jaramillo, L. Zagato, L.M.D. Queiroz, C.C.V. Garcia, and M. Ruiz-Moreno. 2022. Composition and decomposition of rhizoma peanut (*Arachis glabrata* Benth.) belowground biomass. Scientific Reports, 12:9967. <https://doi.org/10.1038/s41598-022-14001-7>
  24. Shepard, E.M.<sup>§</sup>, **L.E. Sollenberger**, M.M. Kohmann, L.S. da Silva, J.F. Harling, Jr., J.C.B. Dubeux, Jr., and J.M.B. Vendramini. 2022. Establishing rhizoma peanut-bahiagrass mixtures. Agrosyst. Geosci. Environ., 5, e20285. <https://doi.org/10.1002/agg2.20285>
  25. Silva, L.S.<sup>§</sup>, **L.E. Sollenberger**, M.K. Mullenix, M.M. Kohmann, J.C.B. Dubeux Jr., and M.L. Silveira. 2022. Soil carbon and nitrogen accumulation in year-round nitrogen-fertilized grass and legume-grass forage systems. Nutr. Cycl. Agroecosystems 122:105–117. <https://link.springer.com/article/10.1007/s10705-021-10188-9>
  26. **Sollenberger, L.E.**, and J.C.B. Dubeux, Jr. 2022. Warm-climate, legume-grass forage mixtures versus grass-only swards: An ecosystem services comparison. Revista Brasileira de Zootecnia 51:e20210198. <https://doi.org/10.37496/rbz5120210198>
  27. van Cleef, F.O.S., J.C.B. Dubeux, Jr., F.M. Ciriaco, D.D. Henry, M. Ruiz-Moreno, D.M. Jaramillo, L. Garcia, E.R.S. Santos, N. DiLorenzo, J.M.B. Vendramini, H.D. Naumann, and **L.E. Sollenberger**. 2022. Inclusion of a tannin-rich legume in the diet of beef steers

- reduces greenhouse gas emissions from their excreta. *Scientific Reports* 12:14220. <https://doi.org/10.1038/s41598-022-18523-y>
28. van Cleef, F.O.S., J.C.B. Dubeux Jr., C. Wheeler, C.C.V. García, M. Ruiz-Moreno, L.E. Sollenberger, J.M.B. Vendramini, N. DiLorenzo, and H.D. Naumann. 2022. Stable isotopes provide evidence that condensed tannins from sericea lespedeza are degraded by ruminal microbes. *Scientific Reports* 12:14318. <https://doi.org/10.1038/s41598-022-18566-1>
  29. Aryal, P.<sup>g</sup>, and L.E. Sollenberger. 2021. Growth temperature and rhizome propagule characteristics affect rhizoma peanut shoot emergence and biomass partitioning. *Agron. J.* 113:335–344. <https://doi.org/10.1002/agj2.20486>
  30. Aryal, P.<sup>g</sup>, L.E. Sollenberger, M.M. Kohmann, L.S. da Silva, K.D. Cooley, and J.C.B. Dubeux, Jr. 2021. Plant growth habit and nitrogen fertilizer effects on rhizoma peanut biomass partitioning during establishment. *Grass and Forage Sci.* 76:485–493. <http://dx.doi.org/10.1111/gfs.12519>
  31. Barbosa, P.L.<sup>f</sup>, V.J. Silva<sup>f</sup>, A.F. Sbrissia, L.E. Sollenberger, and C.G.S. Pedreira. 2021. Herbage accumulation and tillering dynamics of 'Zuri' guineagrass under rotational stocking. *Crop Sci.* 61:3787–3798. <https://doi.org/10.1002/csc2.20536>
  32. Garcia-Jimenez, L.<sup>g</sup>, J.C.B. Dubeux, Jr., L.E. Sollenberger, J.M.B. Vendramini, N. Dilorenzo, E.R.S. Santos, D.M. Jaramillo, and M. Ruiz Moreno. 2021. Nutrient excretion from cattle grazing N-fertilized grass or grass-legume pastures. *Agron. J.* 113:3110-3123. <https://doi.org/10.1002/agj2.20675>
  33. Jaramillo, D., J.C.B. Dubeux, Jr., L.E. Sollenberger, C. Mackowiak, J.M.B. Vendramini, N. Dilorenzo, L.M. Dantas Queiroz, E.R.S. Santos, L. Garcia, and M. Ruiz-Moreno. 2021. Litter mass, deposition rate, and decomposition in N-fertilized or grass-legume mixed grazing systems. *Crop Sci.* 61:2176–2189. <https://doi.org/10.1002/csc2.20475>
  34. Jaramillo, D.M., J.C.B. Dubeux, Jr., L.E. Sollenberger, J.M.B. Vendramini, C.L. Mackowiak, N. DiLorenzo, L. Garcia, L.M.D. Queiroz, E.R.S. Santos, B.G.C. Homem, F. van Cleef, and M. Ruiz-Moreno. 2021. Water footprint, herbage, and livestock responses for N-fertilized grass and grass-legume grazing systems. *Crop Sci.* 61:3844–3858. <http://doi.org/10.1002/csc2.20568>
  35. Lara, M.<sup>f</sup>, V.J. Silva<sup>f</sup>, L.E. Sollenberger, and C.G.S. Pedreira. 2021. Seasonal herbage accumulation and canopy characteristics of novel and standard brachiariagrasses under N fertilization and irrigation in southeastern Brazil. *Crop Sci.* 61:1468-1477. <https://doi.org/10.1002/csc2.20353>.
  36. Nascimento, H.L.B., B.C. Pedreira<sup>f</sup>, L.E. Sollenberger, D.H. Pereira, C.A. de S. Magalhães, and F.H.M. Chizzottie. 2021. Herbage accumulation, canopy structure and

- tiller morphology of Marandu palisadegrass growing in monoculture and in silvopasture. *Agroforestry Syst.* 95:339-352. <https://doi.org/10.1007/s10457-020-00590-7>
37. Santos, E.R.S.<sup>g</sup>, J.C.B. Dubeux, Jr., C.L. Mackowiak, A.R. Blount, **L.E. Sollenberger**, D.B. Jaramillo, L. Garcia, D.S. Abreu, R.T. Souza, and M. Ruiz-Moreno. 2021. Herbage responses and nitrogen agronomic efficiency of bermudagrass-legume mixtures. *Crop Sci.* 61:3815–3829. <https://doi.org/10.1002/csc2.20552>
  38. Silva, L.S.<sup>g</sup>, **L.E. Sollenberger**, M.M. Kohmann, J.C.B. Dubeux, Jr., P. Aryal, M.L. Silveira, and J.M.B. Vendramini. 2021. Existing litter mass and N disappearance on year-round N-fertilized grass and legume-based forage systems. *Agron. J.* 113:5170–5182. <https://doi.org/10.1002/agj2.20826>
  39. van Cleef, F.O.S., J.C.B. Dubeux Jr., H.D. Naumann, E.R.S. Santos, **L.E. Sollenberger**, J.M.B. Vendramini, M. Ruiz-Moreno, F.M. Ciriaco, and N. DiLorenzo. 2021. Methane emissions and  $\delta^{13}\text{C}$  composition from beef steers consuming increasing proportions of sericea lespedeza hay on bermudagrass hay diets. *J. Anim. Sci.* 99(8):1-8. <https://doi.org/10.1093/jas/skab224>
  40. Wilson, C.H.<sup>f</sup>, J.M.B. Vendramini, **L.E. Sollenberger**, and S.L. Flory. 2021. Root production in a subtropical pasture is mediated by cultivar and defoliation severity. *Trop. Grassl.-Forrajes Tropicales* 9:144–158. [https://doi.org/10.17138/tgft\(9\)144-158](https://doi.org/10.17138/tgft(9)144-158)
  41. Aryal, P.<sup>g</sup>, **L.E. Sollenberger**, M.M. Kohmann, L.S. da Silva, E.M. Shepard, K.D. Cooley, D.L. Rowland, and J.C.B. Dubeux, Jr. 2020. Rhizoma peanut genotype and planting date affect biomass allocation patterns and establishment performance. *Crop Sci.* 60:1690–1701. <https://dx.doi.org/10.1002/csc2.20142>
  42. Cooley, K.D.<sup>g</sup>, **L.E. Sollenberger**, M.M. Kohmann, A.S. Blount, J.C.B. Dubeux, Jr., M.L. Silveira, L.S. da Silva, and P. Aryal. 2020. Rhizoma peanut herbage and root-rhizome responses to extended regrowth periods. *Crop Sci.* 60:2802–2813. <https://dx.doi.org/10.1002/csc2.20236>
  43. Gouvêa, V.N., J.M.B. Vendramini, **L.E. Sollenberger**, F. Leite de Oliveira, J.C.B. Dubeux, Jr., U. Cecato, C. V. Soares Filho, J.M.D. Sanchez, J.K. Yarborough, and F. Kuhawara. 2020. Inoculant effects on fermentation characteristics, nutritive value and mycotoxin concentrations of bermudagrass silage. *Crop, Forage, Turfgrass Sci.* 6:e20054. <https://doi.org/10.1002/cft2.20054>
  44. Nair, V.D., **L.E. Sollenberger**, W.G. Harris, A.N. Sharpley, A.M. Freitas, J.C.B. Dubeux, Jr., and A.N. Rodriguez. 2020. Mining of soil legacy phosphorus without jeopardizing crop yield. *Agrosyst. Geosci. Environ.* 3:e20056. <https://dx.doi.org/10.1002/agg2.20056>

45. Reyes-Cabrera, J., J.E. Erickson, R.G. Leon, D.G. Quadros, M.L. Silveira, and **L.E. Sollenberger**. 2020. Bahiagrass pasture and elephantgrass bioenergy cropping systems differ in root traits. *Agron J.* 112:4810–4821. <https://doi.org/10.1002/agj2.20382>
46. Santos, R.D.<sup>f</sup>, A.L. Neves, L.G. Pereira, **L.E. Sollenberger**, E. Muniz, A. Sobral, E.Y. Souza, N. Costa, and L. Gonçalves. 2020. Performance, agronomic traits, ensilability and nutritive value of a pearl millet cultivar harvested at different growth stages. *J. Agric. Sci.* 158:225-232. <https://doi.org/10.1017/S0021859620000222>
47. Silva, F.S., L.F. Domiciano, F. Gomes, Jr., **L.E. Sollenberger**, C.G.S. Pedreira, D.H. Pereira, and B. Pedreira. 2020. Herbage accumulation, nutritive value and beef cattle production on Marandu palisadegrass pasture in integrated systems. *Agroforestry Syst.* 94:1891–1902. <https://doi.org/10.1007/s10457-020-00508-3>
48. Silva, L.S.<sup>g</sup>, V.J. Silva, J.I. Yasuoka, **L.E. Sollenberger**, and C.G.S. Pedreira. 2020. Tillering dynamics of 'Mulato II' brachiariagrass under continuous stocking. *Crop Sci.* 60:1105–1112. <https://doi.org/10.1002/csc2.20008>
49. Silveira, M.L., C.B. Brandani, M.M. Kohmann, J. Erickson, J. Reyes-Cabrera, R. Leon, **L.E. Sollenberger**, V. Piotto, D. Quadros, and S. Mello. 2020. Short-term effects of converting perennial pastures to bioenergy cropping on soil C and N dynamics in a Florida Ultisol. *Soil Sci. Soc. Amer. J.* 84:1233–1246. <https://dx.doi.org/10.1002/saj2.20081>
50. Tesk, C.R.M., J. Cavalli, D.S. Pina, D.H. Pereira, C.G.S. Pedreira, L. Jank, L.E. Sollenberger, and B.C. Pedreira<sup>f</sup>. 2020. Herbage responses of Tamani and Quênia guineagrasses to grazing intensity. *Agron. J.* 112:2081-2091. <https://dx.doi.org/10.1002/agj2.20189>
51. Tesk, C.R.M., J.G. Abreu, D.H. Pereira, **L.E. Sollenberger**, F. de P. Matta, and B.C. Pedreira<sup>f</sup>. 2020. Herbage accumulation, canopy characteristics and nutritive value of tropical grasses in the Amazon Biome. *Crop Sci.* 60:2782–2791. <https://dx.doi.org/10.1002/csc2.20202>
52. Wallau, M.O.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini, E. van Santen, A.D. Aguiar, and O.F.R. Cunha. 2020. In-situ dry matter and crude protein disappearance dynamics in stockpiled limpograss. *Crop Sci.* 60:2159–2166. <https://doi.org/10.1002/csc2.20144>
53. Carvalho, P., L.F. Domiciano, M.A. Mombach, H.L.B. Nascimento, L. da Silva Cabral, **L.E. Sollenberger**, D.H. Pereira, and B.C. Pedreira<sup>f</sup>. 2019. Forage and animal production on palisadegrass pastures growing in monoculture or as a component of integrated crop-livestock-forestry systems. *Grass Forage Sci.* 74:650–660. <https://doi.org/10.1111/gfs.12448>

54. Cooley, K.D.<sup>g</sup>, L.E. Sollenberger, A.R. Blount, L.S. da Silva, M.M. Kohmann, P. Aryal, J.C.B. Dubeux Jr., and M.L. Silveira. 2019. A modified ingrowth core to measure root-rhizome accumulation of perennial forage species. *Agron. J.* 111:3393-3397. <https://doi:10.2134/agronj2019.01.0051>
55. Kohmann, M.M.<sup>g</sup>, L.E. Sollenberger, J.C.B. Dubeux, Jr., M.L. Silveira, L.S.B. Moreno. 2019. Legume proportion in grassland litter affects decomposition dynamics and nutrient mineralization. *Agron. J.* 111:1079-1089. <https://doi:10.2134/agronj2018.09.0603>
56. Nascimento, H.L.B., B.C. Pedreira, L.E. Sollenberger, D.H. Pereira, C.A. de S. Magalhães, and F.H.M. Chizzottie. 2019. Physiological characteristics and forage accumulation of grazed Marandu palisadegrass (*Brachiaria brizantha*) growing in monoculture and in silvopasture with *Eucalyptus urograndis*. *Crop Pasture Sci.* 70:384–394. <https://doi.org/10.1071/CP18403>
57. Paraiso, I.G.N.<sup>f</sup>, D.S.M. Silva, A.P.S. Carvalho, L.E. Sollenberger, D.H. Pereira, V.P.B. Euclides, and B.C. Pedreira. 2019. Herbage accumulation, nutritive value, and organic reserves of continuously stocked Ipyporã and Mulato II brachiariagrasses. *Crop Sci.* 59:2903-2914. <https://doi:10.2135/cropsci2019.06.0399>
58. Reyes-Cabrera, J., J.E. Erickson, R.G. Leon, M.L. Silveira, and L.E. Sollenberger. 2019. Amending marginal sandy soils with biochar and lignocellulosic fermentation residual sustains fertility in elephantgrass bioenergy cropping systems. *Nutrient Cycl. Agroecosyst.* 115:69–83. <https://doi.org/10.1007/s10705-019-10011-6>
59. Sanchez, J.M.D.<sup>g</sup>, J.M.B. Vendramini, M.L. Silveira, L.E. Sollenberger, J.C.B. Dubeux Jr., P. Moriel, B. Sellers, J.K. Yarborough, and F.C. Leite de Oliveira. 2019. Seeding strategies of bahiagrass and pinto peanut affect pasture establishment under weed competition. *Grass Forage Sci.* 74:381–388. <https://doi.org/10.1111/gfs.12413>
60. Santos, E.R.S., J.C.B. Dubeux, Jr., R.C. Menezes, C.L. Mackowiak, L.E. Sollenberger, M. Ruiz-Moreno, D.M. Jaramillo, L. Garcia, and L.M.D. Queiroz. 2019. Particulate soil organic matter in bahiagrass-rhizoma peanut mixtures and their monocultures. *Soil Sci. Soc. Amer. J.* 83:658-665. <https://doi:10.2136/sssaj2018.11.0445>
61. Schmitt, D.<sup>f</sup>, D.A. Padilha, C. Medeiros-Neto, H.M.N. Ribeiro Filho, L.E. Sollenberger, and A.F. Sbrissia. 2019. Herbage intake by cattle in kikuyugrass pastures under intermittent stocking method. *Revista Ciência Agronômica* 50:493-501. <https://doi:10.5935/1806-6690.20190058>
62. Silva, V.J., A.F.G. Faria, D.N.L. Pequeno, L.S. Silva, L.E. Sollenberger, and C.G.S. Pedreira. 2019. Growth analysis of brachiariagrasses and Tifton 85 bermudagrass as affected by harvest interval. *Crop Sci.* 59:1808-1814. <https://doi:10.2135/cropsci2019.01.0030>



63. **Sollenberger, L.E.**, M.M. Kohmann, J.C.B. Dubeux, Jr., and M.L. Silveira. 2019. Grassland management affects delivery of regulating and supporting ecosystem services. *Crop Sci.* 59:441–459. doi:10.2135/cropsci2018.09.0594.
64. **Vendramini, J.M.B., L.E. Sollenberger**, F.C. Leite de Oliveira, V.R. Herling, V.C. Gomes, J.M.D. Sanchez, and J.K. Yarborough. 2019. Herbage characteristics of continuously stocked limpgrass cultivars under stockpiling management. *Crop Sci.* 59:2886-2892. doi:10.2135/cropsci2019.05.0299
65. **Carmo, M., L.E. Sollenberger**, M. Carriquiry, and P. Soca. 2018. Controlling herbage allowance and selection of cow genotype improves cow-calf productivity in Campos grasslands. *Prof. Anim. Sci.* 34:32–41.
66. **Jaramillo, D.M., J.C.B. Dubeux, Jr., C. Mackowiak, L.E. Sollenberger**, N. Dilorenzo, D.L. Rowland, A.R. Blount, E.R.S. Santos, L. Garcia, and M. Ruiz-Moreno. 2018. Annual and perennial peanut mixed with ‘Pensacola’ bahiagrass in north Florida. *Crop Sci.* 58:982–992.
67. **Jaramillo, D.M., J.C.B. Dubeux, Jr., C. Mackowiak, L.E. Sollenberger**, E.R.S. Santos, L. Garcia, M. Ruiz-Moreno, C. Silva, and N. DiLorenzo. 2018. Annual and perennial *Arachis* species as alternatives to nitrogen fertilizer in bermudagrass hay production systems. *Agron. J.* 110:2390-2399.
68. **Kohmann, M.M.<sup>g</sup>, L.E. Sollenberger**, J.C.B. Dubeux, Jr., M.L. Silveira, L.S.B. Moreno, L.S. da Silva, and P. Aryal. 2018. Nitrogen fertilization and proportion of legume affect litter decomposition and nutrient return in grass pastures. *Crop Sci.* 58:2138-2148.
69. **Liang, X., J.E. Erickson, L.E. Sollenberger**, D.L. Rowland, M.L. Silveira, and W. Vermerris. 2018. Growth and transpiration responses of elephantgrass and energycane to soil drying. *Crop Sci.* 58:354-363.
70. Lopez, Y., A. Kurashev, C. Chase, M. Gallo, **L.E. Sollenberger**, F. Altpeter, and J. Wang. 2018. Developing and validating microsatellite markers in elephant grass (*Pennisetum purpureum* S.). *Euphytica* 214:185-197. doi.org/10.1007/s10681-018-2256-6.
71. **Quesenberry, K.H., L.E. Sollenberger**, J.M.B. Vendramini, M.O. Wallau, A.R. Blount, and C.A. Acuna. 2018. Registration of Kenhy and Gibtuck limpgrass hybrids. *J. Plt. Reg.* 12:19–24.
72. **Rolando, J.L., J.C.B. Dubeux Jr., D.A. Ramirez, M. Ruiz-Moreno, C. Turin, V. Mares, L.E. Sollenberger**, and R. Quiroz. 2018. Land use effects on soil fertility and nutrient cycling in the Peruvian high-Andean Puna grasslands. *Soil Sci. Soc. Am. J.* 82:463–474.
73. **Sanchez, J.M.D.<sup>g</sup>, J.M.B. Vendramini, M.L. Silveira, L.E. Sollenberger**, J.C.B. Dubeux, Jr. P. Moriel, F. Kuhawara, U. Cecato, J.K. Yarborough, F. Soares, V. Cecilio, and F.C.

- Leite de Oliveira. 2018. Genotype and regrowth interval effects on in situ disappearance of rhizoma peanut. *Crop Sci.* 58:2174-2181.
74. Sanchez, J.M.D.<sup>g</sup>, J.M.B. Vendramini, L.E. Sollenberger, M.L. Silveira, J.C.B. Dubeux, Jr., P. Moriel, F.A. Kuwahara, U. Cecato, J.K. Yarborough, C.V. Soares Filho, and F.C. Leite de Oliveira. 2018. Forage characteristics of bermudagrass pastures overseeded with pintoi peanut and grazed at different sward heights. *Crop Sci.* 58:1808-1816.
  75. Santos, E.R., J.C.B. Dubeux, Jr., C. Mackowiak, A.R. Blount, L.E. Sollenberger, N. Dilorenzo, D.M. Jaramillo, L. Garcia, N. Pereira, and J. Diogenes. 2018. Root-rhizome mass and chemical composition of bahiagrass and rhizome peanut monocultures compared with their binary mixtures. *Crop Sci.* 58:955–963.
  76. Santos, E.R., J.C.B. Dubeux, Jr., L.E. Sollenberger, A.R. Blount, C. Mackowiak, N. Dilorenzo, D.M. Jaramillo, L. Garcia, T.P. Pereira, and M. Ruiz-Moreno. 2018. Herbage responses and biological N<sub>2</sub> fixation of bahiagrass and rhizoma peanut monocultures compared with their binary mixtures. *Crop Sci.* 58:2149–2163.
  77. Santos, R.D.<sup>f</sup>, A.L. Neves, D. Santos, L.G. Pereira, L. Gonçalves, A. Ferreira, C.T. Costa, G. Araújo, C. Scherer, and L.E. Sollenberger. 2018. Divergence in nutritive value and fermentation kinetics of spineless cactus genotypes selected for insect resistance. *J. Agric. Sci. (Cambridge)* 156:450-456.
  78. Shepard, E.M.<sup>g</sup>, L.E. Sollenberger, M.M. Kohmann, L.S. da Silva, J.C.B. Dubeux, and J.M.B. Vendramini. 2018. Phenotypic plasticity and other forage responses to grazing management of Ecoturf rhizoma peanut. *Crop Sci.* 58:2164-2173.
  79. Xu, S., M.L. Silveira, L.E. Sollenberger, P. Viegas, J.J.J. Lacerda, M. Azenha. 2018. Conversion of native rangelands into cultivated pasturelands in subtropical ecosystems - Impacts on aggregate-associated carbon and nitrogen. *J. Soil Water Conserv.* 73:156-163.
  80. Dubeux, J.C.B., Jr., J.P. Muir, V.X. de O. Apolinario, P.K.R. Nair, M. de A. Lira, and L.E. Sollenberger. 2017. Tree legumes: an underexploited resource in warm-climate silvopastures. *Revista Brasileira de Zootecnia* 46:689-703.
  81. Dubeux, J.C.B., Jr., L.E. Sollenberger, J.P. Muir, L.O. Tedeschi, M.V.F. dos Santos, M.V. da Cunha, A.C.L. de Mello, and N. DiLorenzo. 2017. Sustainable intensification of livestock production on pastures. *Archivos Latinoamericanos de Producción Animal.* 25:97-111.
  82. Kohmann, M.M.<sup>g</sup>, L.E. Sollenberger, J.M.B. Vendramini, M.L. Silveira, and L.S.B. Moreno. 2017. Harvest stubble height and K fertilization affect performance of Jiggs and ‘Tifton 85’ bermudagrasses. *Crop Sci.* 57:3352–3359.

83. Liang, X., J.E. Erickson, W. Vermerris, D.L. Rowland, **L.E. Sollenberger**, and M.L. Silveira. 2017. Root architecture of sorghum genotypes differing in root angle under different water regimes. *J. Crop Improvement* 31:39–55.
84. Liu, K.<sup>g</sup>, **L.E. Sollenberger**, M.L. Silveira, J.M.B. Vendramini, and Y.C. Newman. 2017. Nutrient pools in bermudagrass swards fertilized at different nitrogen levels. *Crop Sci.* 57:525-533.
85. Pedreira, C.G.S., V.J. da Silva, B.C. e Pedreira, and **L.E. Sollenberger**. 2017. Herbage accumulation dynamics and organic reserves of Xaraés palisadegrass in response to grazing management based on canopy targets. *Crop Sci.* 57:2283–2293.
86. Reyes-Cabrera, J., J.E. Erickson, R.G. Leon, M.L. Silveira, D.L. Rowland, **L.E. Sollenberger**, and K.T. Morgan. 2017. Converting bahiagrass pasture land to elephantgrass bioenergy production enhances biomass yield and water quality. *Agric. Ecosyst. Environ.* 248:20-28.
87. Santos, R.D.<sup>f</sup>, K.J. Boote, **L.E. Sollenberger**, A.L.A. Neves, L.G.R. Pereira, C.B. Scherer, and L.C. Gonçalves. 2017. Simulated optimum sowing date for forage pearl millet cultivars in multilocation trials in Brazilian semi-arid region. *Frontiers Pl. Sci.* doi: 10.3389/fpls.2017.02074.
88. Weinberg, Z.G.<sup>f</sup>, R. Fethiere, A.T. Adesogan, and **L.E. Sollenberger**. 2017. Tensile strength of warm and cool season forage grasses in Florida. *J. Texture Studies* 48:382-385.
89. Xu, S., M.L. Silveira, K. Inglett, **L.E. Sollenberger**, and S. Gerber. 2017. Soil microbial community responses to long-term land use intensification in subtropical grazing lands. *Geoderma* 293:73–81.
90. Xu, S., M.L. Silveira, L.W. Ngatia, A.E. Normand, **L.E. Sollenberger**, and K.R. Reddy. 2017. Carbon and nitrogen pools in particle size fractions as affected by sieving method and land use intensification. *Geoderma* 305:70-79.
91. Yarborough, J.K.<sup>g</sup>, J.M.B. Vendramini, M.L. Silveira, **L.E. Sollenberger**, R.G. Leon, J.M.D. Sanchez, F. Leite de Oliveira, F. Kuhawara, V. Gomes, U. Cecato, and C. V. Soares Filho. 2017. Impact of potassium and nitrogen fertilization on bahiagrass herbage accumulation and nutrient concentration. *Agron. J.* 109:1099-1105.
92. Yarborough, J.K.<sup>g</sup>, J.M.B. Vendramini, M.L. Silveira, **L.E. Sollenberger**, R.G. Leon, B. Sellers, J.M.D. Sanchez, F. Leite de Oliveira, F. Kuhawara, V. Gomes, U. Cecato, and C. V. Soares Filho. 2017. Potassium and nitrogen fertilization effects on Jiggs bermudagrass herbage accumulation, root-rhizome mass, and tissue nutrient concentration. *Crop, Forage and Turfgrass Management.* doi:10.2134/cftm2017.04.0029.

93. Dari, B., V. Nair, W.G. Harris, P.K.R. Nair, **L.E. Sollenberger**, and R. Mylavarapu. 2016. Relative influence of soil- vs. biochar properties on soil phosphorus retention. *Geoderma* 280:82-87.
94. Krueger, N.C.<sup>g</sup>, L.E. Sollenberger, J.M.B. Vendramini, C. Na, M.K. Mullenix, A.D. Aguiar, and A.R. Blount. 2016. Blackberry regrowth and persistence responses to defoliation in mixed rhizoma peanut-grass swards. *Crop Sci.* 56:1349-1355.
95. Liang, X., J.E. Erickson, M.L. Silveira, **L.E. Sollenberger**, D.L. Rowland, and W. Vermerris. 2016. Tissue chemistry and morphology affect root decomposition of perennial bioenergy grasses on a sandy soil in a sub-tropical environment. *Global Change Biol. – Bioenergy* 8:1015-1024.
96. Mullenix, M.K.<sup>g</sup>, L.E. Sollenberger, M.O. Wallau, D.L. Rowland, A.R. Blount, J.M.B. Vendramini, and M.L. Silveira. 2016. Sward structure, light interception, and rhizome-root responses of rhizoma peanut cultivars and germplasm to grazing management. *Crop Sci.* 56:899-906.
97. Mullenix, M.K.<sup>g</sup>, L.E. Sollenberger, M.O. Wallau, A.R. Blount, J.M.B. Vendramini, and M.L. Silveira. 2016. Herbage accumulation, nutritive value, and persistence responses of rhizoma peanut cultivars and germplasm to grazing management. *Crop Sci.* 56:907-915.
98. Na, C.<sup>g</sup>, J.R. Fedenko, **L.E. Sollenberger**, and J.E. Erickson. 2016. Harvest management affects biomass composition responses of C4 perennial bioenergy grasses in the humid subtropical USA. *Global Change Biology – Bioenergy* 8:1150-1161.
99. Na, C.<sup>g</sup>, L.E. Sollenberger, J.R. Fedenko, J.E. Erickson, and K.R. Woodard. 2016. Seasonal changes in chemical composition and leaf proportion of elephantgrass and energycane biomass. *Industrial Crops and Products* 94:107-116.
100. Pedreira, C.G.S.<sup>f</sup>, V.J. Silva<sup>f</sup>, Y.C. Newman, and **L.E. Sollenberger**. 2016. Yearling cattle performance on continuously stocked 'Tifton 85' and 'Florakirk' bermudagrass pastures. *Crop Sci.* 56:3354-3360.
101. Santos, R.D.<sup>f</sup>, A.L.A. Neves, L.G.R. Pereira, **L.E. Sollenberger**, J.A.S. Rodrigues, J.N. Tabosa, R.S. Verneque, G.F. Oliveira, D.G. Jayme, and L.C. Gonçalves. 2016. Agronomic traits, ensilability, and nutritive value of five pearl millet cultivars in a Brazilian semi-arid region. *J. Agric. Sci. (Cambridge)* 154:165–173.
102. Silva, V.J.<sup>f</sup>, C.G.S. Pedreira<sup>f</sup>, **L.E. Sollenberger**, M.S.S. Carvalho, F. Tonato, and D.C. Basto. 2016. Growth analysis of irrigated 'Tifton 85' and Jiggs bermudagrasses as affected by harvest management. *Crop Sci.* 56:882–890.
103. Silva, V.J.<sup>f</sup>, C.G.S. Pedreira<sup>f</sup>, **L.E. Sollenberger**, L.S. Silva, J.I. Yasuoka, and I.C.L. Almeida. 2016. Canopy height and nitrogen affect herbage accumulation, nutritive value, and grazing efficiency of 'Mulato II' brachiariagrass. *Crop Sci.* 56:2054–2061.

104. Silva, V.J.<sup>f</sup>, C.G.S. Pedreira<sup>f</sup>, **L.E. Sollenberger**, L.S. Silva, J.I. Yasuoka, and I.C.L. Almeida. 2016. Carbon assimilation, herbage plant-part accumulation, and organic reserves of grazed 'Mulato II' brachiariagrass pastures maintained at three canopy heights. *Crop Sci.* 56:2853-2860.
105. Vendramini, J.M.B., A.D. Aguiar, A.T. Adesogan, **L.E. Sollenberger**, E. Alves, L. Galzerano, P. Salvo, A.L. Valente, K.G. Arriola, Z.X. Ma, and F.C.L. Oliveira. 2016. Effects of genotype, wilting, and additives on the nutritive value and fermentation of bermudagrass silage. *J. Anim. Sci.* 94:3061-3071.
106. Wallau, M.O.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini, C.A.M. Gomide, M.K. Mullenix, and K.H. Quesenberry. 2016. Performance of limpograss breeding lines under various grazing management strategies. *Crop Sci.* 56:3345-3353.
107. Xu, S., M.L. Silveira, K.S. Inglett, **L.E. Sollenberger**, and S. Gerber. 2016. Effect of land-use conversion on ecosystem C stock and distribution in subtropical grazing lands. *Plant Soil* 399:233–245.
108. Adewopo, J.B., M.L. Silveira, S. Xu, S. Gerber, **L.E. Sollenberger**, and T. Martin. 2015. Management intensification impacts on particle-size soil carbon fractions in subtropical grasslands: Evidence from <sup>13</sup>C natural abundance. *Soil Sci. Soc. Amer. J.* 79:1198-1205.
109. Adewopo, J.B., M.L. Silveira, S. Xu, S. Gerber, **L.E. Sollenberger**, and T. Martin. 2015. Management intensification effects on autotrophic and heterotrophic soil respiration in subtropical grasslands. *Ecological Indicators* 56:6–14.
110. Aguiar, A.D.<sup>g</sup>, J.M.B. Vendramini, J.D. Arthington, **L.E. Sollenberger**, N. DiLorenzo, and M.J. Hersom. 2015. Performance of beef cows and calves fed different sources of rumen-degradable protein when grazing stockpiled limpograss pastures. *J. Anim. Sci.* 93:1923–1932.
111. Aguiar, A.D.<sup>g</sup>, J.M.B. Vendramini, J.D. Arthington, **L.E. Sollenberger**, G. Caputti, J.M.D. Sanchez, O. F.R. Cunha, and W. L. da Silva. 2015. Limited creep-feeding supplementation effects on performance of beef cows and calves grazing limpograss pastures. *Livest. Sci.* 180:129-133.
112. Alava, E.I., Y.C. Newman, **L.E. Sollenberger**, C.R. Staples, L.E. Ortega, M. Baseggio, E.N. Alava, and M. Garcia. 2015. Grazing management effects on Tifton 85 bermudagrass pasture characteristics and animal performance. *Agron. J.* 107:388-394.
113. Baseggio, M., Y.C. Newman, **L.E. Sollenberger**, C. Fraisse, and T. Obreza. 2015. Planting rate and depth effects on Tifton 85 bermudagrass establishment using rhizomes. *Crop Sci.* 55:1338–1345.

114. Baseggio, M., Y.C. Newman, **L.E. Sollenberger**, C. Fraisse, and T. Obreza. 2015. Stolon planting rate effects on Tifton 85 bermudagrass establishment. *Agron. J.* 107:1287–1294.
115. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, M.K. Mullenix, A.R. Blount, M.J. Williams, and C.L. Mackowiak. 2015. Grazing management affects establishment performance of rhizoma peanut strip-planted into bahiagrass pasture. *Crop Sci.* 55:2384-2389.
116. Gomide, C.A.M.<sup>f</sup>, C.S. Chaves, K.G. Ribeiro, **L.E. Sollenberger**, D.S.C. Paciullo, T.P. Pereira, and M.J.F. Morenza. 2015. Structural traits of elephantgrass genotypes under rotational stocking strategies. *African J. Range Forage Sci.* 32:51-57.
117. Na, C.<sup>g</sup>, **L.E. Sollenberger**, J.E. Erickson, K.R. Woodard, J.M.B. Vendramini, and M.L. Silveira. 2015. Management of perennial warm-season bioenergy grasses. I. Biomass harvested, nutrient removal, and persistence responses of elephantgrass and energycane to harvest frequency and timing. *Bioenerg. Res.* 8:581-589.
118. Na, C.<sup>g</sup>, **L.E. Sollenberger**, J.E. Erickson, K.R. Woodard, M.S. Castillo, M.K. Mullenix, J.M.B. Vendramini, and M.L. Silveira. 2015. Management of perennial warm-season bioenergy grasses. II. Seasonal differences in elephantgrass and energycane morphological characteristics affect responses to harvest frequency and timing. *Bioenerg. Res.* 8:618-626.
119. Pequeno, D.N.L., C.G.S. Pedreira, **L.E. Sollenberger**, A.F.G. de Faria, and L.S. Silva. 2015. Forage accumulation and nutritive value of brachiariagrasses and Tifton 85 bermudagrass as affected by harvest frequency and irrigation. *Agron. J.* 107:1741–1749.
120. Silva, V.J.<sup>f</sup>, C.G.S. Pedreira, **L.E. Sollenberger**, M.S.S. Carvalho, F. Tonato, and D.C. Basto. 2015. Seasonal herbage accumulation and nutritive value of irrigated ‘Tifton 85’, Jiggs, and Vaquero bermudagrasses in response to harvest frequency. *Crop Sci.* 55:2886–2894.
121. M.P. Singh, J.E. Erickson, **L.E. Sollenberger**, K.R. Woodard, J.M.B. Vendramini, and R.A. Gilbert. 2015. Mineral composition and removal of six perennial grasses grown for bioenergy. *Agron. J.* 107:466–474.
122. **Sollenberger, L.E.** 2015. Challenges, opportunities, and applications of grazing research. *Crop Sci.* 6:2540-2549.
123. Wallau, M.O.<sup>g</sup>, **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.* 5:2377-2383.
124. Aguiar, A.D.<sup>g</sup>, J.M.B. Vendramini, J.D. Arthington, **L.E. Sollenberger**, J.M.D. Sanchez, W.L. da Silva, A.L.S. Valente, and P. Salvo. 2014. Stocking rate effects on herbage

responses and performance of beef heifers grazing Jiggs bermudagrass and receiving concentrate supplementation. *Crop Sci.* 54:2872-2879.

125. Baseggio, M., Y.C. Newman, **L.E. Sollenberger**, C. Fraisse, and T. Obreza. 2014. Stolon type and soil burial effects on ‘Tifton 85’ bermudagrass establishment. *Crop Sci.* 54:2386-2393.
126. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, A. Blount, J. Ferrell, C. Na<sup>g</sup>, M. Williams, and C. Mackowiak. 2014. Seedbed preparation techniques and weed control strategies for strip-planting rhizoma peanut into warm-season grass pastures. *Crop Sci.* 54:1868-1875.
127. Dubeux, J.C.B., Jr.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini<sup>g</sup>, S.M. Interrante<sup>g</sup>, and M.A. Lira, Jr. 2014. Stocking method, animal behavior, and soil nutrient redistribution: How are they linked? *Crop Sci.* 54:2341-2350.
128. Krueger, N.C.<sup>g</sup>, **L.E. Sollenberger**, A.R. Blount, J.M.B. Vendramini, N.L.S. Lemos, A.G. Costa, and A.T. Adesogan. 2014. Mixed grazing by cattle and goats for blackberry control in rhizoma peanut-grass pastures. *Crop Sci.* 54:2864-2871.
129. López, Y., K.R. Woodard<sup>p</sup>, J.C. Seib, K. Chamusco, **L.E. Sollenberger**, M. Gallo, S.L. Flory, and C.D. Chase. 2014. Genetic diversity of biofuel and naturalized napiergrass (*Pennisetum purpureum*). *Invasive Plt. Sci. Man.* 7:229–236.
130. Mullenix, M.K.<sup>g</sup>, **L.E. Sollenberger**, A.R. Blount, J.M.B. Vendramini, M.L. Silveira, and M.S. Castillo<sup>g</sup>. 2014. Growth habit of rhizoma peanut affects establishment and spread when strip-planted in bahiagrass pastures. *Crop Sci.* 54:2886-2892.
131. Na, C.<sup>g</sup>, **L.E. Sollenberger**, J.E. Erickson, K.R. Woodard, M.O. Wallau<sup>g</sup>, and N.C. Krueger<sup>g</sup>. 2014. Biomass yield and composition of perennial bioenergy grasses at harvests following a freeze event. *Agron. J.* 106:2255-2262.
132. **Sollenberger, L.E.**, K.R. Woodard<sup>p</sup>, J.M.B. Vendramini, J.E. Erickson, K.A. Langeland, M.K. Mullenix<sup>g</sup>, C. Na<sup>g</sup>, M.S. Castillo<sup>g</sup>, M. Gallo, C.D. Chase, and Y. López. 2014. Invasive populations of elephantgrass differ in morphological and growth characteristics from clones selected for biomass production. *Bioenergy Res.* 7:1382–1391.
133. Vendramini, J.M.B., **L.E. Sollenberger**, A.B. Soares<sup>f</sup>, W.L. da Silva, J.M.D. Sanchez, A.L. Valente, A.D. Aguiar<sup>g</sup>, and M.K. Mullenix<sup>g</sup>. 2014. Harvest frequency affects herbage accumulation and nutritive value of brachiariagrass hybrids in Florida. *Trop. Grassl.* 2:197–206.
134. Wallau, M.W.<sup>g</sup>, **L.E. Sollenberger**, K.H. Quesenberry, J.M.B. Vendramini, and M.K. Mullenix<sup>g</sup>. 2014. Evaluation of limpograss (*Hemarthria altissima*) breeding lines under different grazing management systems. *Tropical Grasslands – Forrajes Tropicales* 2:149-150.

135. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, A.R. Blount, J.A. Ferrell, M.J. Williams, and C.L. Mackowiak. 2013. Strip planting a legume into warm-season grass pasture: Defoliation effects during the year of establishment. *Crop Sci.* 53:724-731.
136. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, J.A. Ferrell, A.R. Blount, M.J. Williams, and C.L. Mackowiak. 2013. Strategies to control competition to strip-planted legume in a warm-season grass pasture. *Crop Sci.* 53:2255-2263.
137. Fedenko, J.R., J.E. Erickson, K.R. Woodard<sup>p</sup>, **L.E. Sollenberger**, J.M.B. Vendramini, R.A. Gilbert, Z.R. Helsel, and G.F. Peter. 2013. Biomass production and composition of perennial grasses grown for bioenergy in a subtropical climate across Florida, USA. *Bioenerg. Res.* 6:1082-1093.
138. Foster, J.L., J.N. Carter, G.C. Lamb, **L.E. Sollenberger**, A.R. Blount, R.O. Myer, M.K. Maddox, and A.T. Adesogan. 2013. Performance of beef cattle creep-fed concentrate or creep-grazed on warm-season legumes. *Crop Sci.* 53:1818-1825.
139. Silveira, M.L., J. Driscoll, C.P. Silveira, D.A. Graetz, **L.E. Sollenberger**, and J.M.B. Vendramini. 2013. Land application of aluminum water treatment residual to bahiagrass pastures: Soil and forage responses. *Agron. J.* 105:796-802.
140. Silveira, M.L., K. Liu<sup>g</sup>, **L.E. Sollenberger**, R.F. Follett, and J.M.B. Vendramini. 2013. Short-term effects of grazing intensity and nitrogen fertilization on soil organic carbon pools under perennial grass pastures in the Southeastern USA. *Soil Biol. Biochem.* 58:42-49.
141. Silveira, M.L., J.M.B. Vendramini, X. Sui, **L.E. Sollenberger**, and G.A. O'Connor. 2013. Use of warm-season grasses managed as bioenergy crops for phytoremediation of P in P-enriched soils. *Agron. J.* 105:95-100.
142. Silveira, M.L., J.M.B. Vendramini, X. Sui, **L.E. Sollenberger**, and G.A. O'Connor. 2013. Screening perennial warm-season bioenergy crops as an alternative for phytoremediation of excess soil P. *BioEnergy Research* 6:469-475.
143. Vendramini, J.M.B., J.D. Arthington, and **L.E. Sollenberger**. 2013. Effects of increasing rumen-undegradable protein supplementation levels on early weaned calves grazing stargrass. *Crop Sci.* 53:322-328.
144. Vendramini, J.M.B., **L.E. Sollenberger**, A.R. Blount, A.D. Aguiar, L. Galzerano, A.L. Valente, E. Alves, and L. Custodio. 2013. Bahiagrass cultivar response to grazing frequency with limited N fertilization. *Agron. J.* 105:938-944.
145. Vendramini, J.M.B., **L.E. Sollenberger**, G.C. Lamb, and M.L. Silveira. 2013. Herbage accumulation, nutritive value and persistence of Mulato II in Florida. *Tropical Grassland – Forrajes Tropicales* 1:123-124.



146. White-Leech, R.<sup>g</sup>, K. Liu<sup>g</sup>, **L.E. Sollenberger**, K.R. Woodard<sup>p</sup>, and S.M. Interrante<sup>g</sup>. 2013. Excreta deposition on grassland. I. Forage harvested, nutritive value, and nitrogen recovery. *Crop Sci.* 53:688–695.
147. White-Leech, R.<sup>g</sup>, K. Liu<sup>g</sup>, **L.E. Sollenberger**, K.R. Woodard<sup>p</sup>, and S.M. Interrante<sup>g</sup>. 2013. Excreta deposition on grassland. II. Spatial pattern and duration of forage responses. *Crop Sci.* 53:696–703.
148. Woodard, K.R.<sup>p</sup>, K. Liu<sup>g</sup>, R. White-Leech<sup>g</sup>, and **L.E. Sollenberger**. 2013. Leaching potential of phosphorus from cattle excreta patches in the Central Highlands of Florida. *J. Environ. Qual.* 42:872-880.
149. Erickson, J.E., A. Soikaew, **L.E. Sollenberger**, and J.M. Bennett. 2012. Water use and water-use efficiency of three perennial bioenergy grass crops in Florida. *Agriculture* 2:325-338.
150. Erickson, J.E., K.R. Woodard<sup>p</sup>, and **L.E. Sollenberger**. 2012. Optimizing sweet sorghum production for biofuel in the southeastern USA through nitrogen fertilization and top removal. *Bioenergy Res.* 5:86-94.
151. Flory, S.L., K.A. Lorentz, D. Gordon, and **L.E. Sollenberger**. 2012. Experimental approaches for evaluating the invasion risk of biofuel crops. *Environmental Research Letters*. doi.org/10.1088/1748-9326/7/4/045904. 7 pages.
152. Singh, M.P., J.E. Erickson, **L.E. Sollenberger**, K.R. Woodard<sup>p</sup>, J.M.B. Vendramini, and J.R. Fedenko. 2012. Mineral composition and biomass partitioning of sweet sorghum grown for biomass in the southeastern USA. *Biomass Bioenergy* 47:1-8.
153. Vendramini, J.M.B., **L.E. Sollenberger**, G.C. Lamb, J.L. Foster, K. Liu<sup>g</sup>, and M. Maddox. 2012. Forage accumulation, nutritive value, and persistence of ‘Mulato II’ brachiariagrass in North Florida. *Crop Sci.* 52:914-922.
154. Alderman, P.D.<sup>g</sup>, K.J. Boote, and **L.E. Sollenberger**. 2011. Regrowth dynamics of Tifton 85 bermudagrass as affected by nitrogen fertilization. *Crop Sci.* 51:1716-1726.
155. Alderman, P.D.<sup>g</sup>, K.J. Boote, **L.E. Sollenberger**, and S.W. Coleman. 2011. Carbohydrate and nitrogen reserves relative to regrowth dynamics of Tifton 85 bermudagrass as affected by nitrogen fertilization. *Crop Sci.* 51:1727-1738.
156. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini, K.R. Woodard<sup>p</sup>, G.A. O’Connor, M.L. Silveira, and J.B. Sartain. 2011. Incorporation of municipal biosolids affects organic N mineralization and elephantgrass biomass production. *Agron. J.* 103:899-905.
157. Erickson, J.E., Z.R. Helsel, K.R. Woodard<sup>p</sup>, J.M.B. Vendramini, Y. Wang, **L.E. Sollenberger**, and R.A. Gilbert. 2011. Planting date affects biomass and brix of sweet sorghum grown for biofuel across Florida. *Agron. J.* 103:1827-1833.

158. Foster, J.L., A.T. Adesogan, J.N. Carter, **L.E. Sollenberger**, A.R. Blount, R.O. Myer, M.K. Maddox, and S.C. Phatak. 2011. Nutritive value, fermentation characteristics, and in situ disappearance kinetics of ensiled legumes and bahiagrass. *J. Dairy Sci.* 94:2042-2050.
159. Liu, K.<sup>g</sup>, **L.E. Sollenberger**, Y.C. Newman, J.M.B. Vendramini, S.M. Interrante<sup>g</sup>, and R. White-Leech<sup>g</sup>. 2011. Grazing management effects on productivity, nutritive value, and persistence of 'Tifton 85' bermudagrass. *Crop Sci.* 51:353-360.
160. Liu, K.<sup>g</sup>, **L.E. Sollenberger**, M.L. Silveira, Y.C. Newman, and J.M.B. Vendramini. 2011. Grazing intensity and nitrogen fertilization affect litter responses in 'Tifton 85' bermudagrass pastures. I. Mass, deposition rate, and chemical composition. *Agron. J.* 103:156-162.
161. Liu, K.<sup>g</sup>, **L.E. Sollenberger**, M.L. Silveira, J.M.B. Vendramini, and Y.C. Newman. 2011. Grazing intensity and nitrogen fertilization affect litter responses in 'Tifton 85' bermudagrass pastures. II. Decomposition and nitrogen mineralization. *Agron. J.* 103:163-168.
162. Liu, K.<sup>g</sup>, **L.E. Sollenberger**, M.L. Silveira, J.M.B. Vendramini, and Y.C. Newman. 2011. Distribution of nutrients among soil-plant pools in 'Tifton 85' bermudagrass pastures grazed at different intensities. *Crop Sci.* 51:1800-1807.
163. Macon, B.<sup>g</sup>, **L.E. Sollenberger**, C.R. Staples, K.M. Portier, J.H. Fike<sup>g</sup>, and J.E. Moore. 2011. Grazing management and supplementation effects on forage and dairy cow performance on subtropical winter pastures. *J. Dairy Sci.* 94:3949-3959.
164. Mathews, B.W., J.R. Carpenter, **L.E. Sollenberger**, and W.M. Steiner. 2011. Macronutrients in Hawaii's coastal wetland pastures and potential phosphorus release to water. *Agron. J.* 103:830-843.
165. Obour, A.K., M.L. Silveira, J.M.B. Vendramini, J.W. Jawitz, G.A. O'Connor, and **L.E. Sollenberger**. 2011. A phosphorus budget for bahiagrass pastures growing on a typical Florida Spodosol. *Agron. J.* 103:611-616.
166. Obour, A.K., M.L. Silveira, J.M.B. Vendramini, **L.E. Sollenberger**, and G.A. O'Connor. 2011. Fluctuating water table effect on phosphorus release and availability from a Florida Spodosol. *Nutr. Cycl. Agroecosyst.* 91:207-217.
167. Obour, A.K., M.L. Silveira, J.M.B. Vendramini, **L.E. Sollenberger**, G.A. O'Connor, and J.W. Jawitz. 2011. Agronomic and environmental impacts of phosphorus fertilization of low input bahiagrass systems in Florida. *Nutr. Cycl. Agroecosyst.* 89:281-290.
168. Obour, A.K., J.M.B. Vendramini, M.L. Silveira, **L.E. Sollenberger**, G.A. O'Connor, and J.W. Jawitz. 2011. Phosphorus fertilization responses on bahiagrass pastures – Forage production and water quality. *Agron. J.* 103:324-330.

169. Pitta, C.S.R., A.B. Soares<sup>f</sup>, T.S. Assmann, P.F. Adami, L.R. Sartor, F. Migliorini, **L.E. Sollenberger**, and A.L. Assmann. 2011. Dual-purpose wheat grain and animal production under different grazing periods. *Revista Pesquisa Agropecuária Brasileira* 46:1385-1391.
170. Silveira, M.L., A.K. Obour, J.D. Arthington, and **L.E. Sollenberger**. 2011. The cow-calf industry and water quality in South Florida, USA - A review. *Nutrient Cycling in Agroecosystems*. 89:439-452.
171. Silveira, M.L., A.K. Obour, J.M.B. Vendramini, and **L.E. Sollenberger**. 2011. Using tissue analysis as a tool to predict bahiagrass phosphorus fertilization requirement. *J. Plt. Nut.* 34:2193-2205.
172. **Sollenberger, L.E.**, and E.S. Vanzant. 2011. Interrelationships among forage nutritive value and quantity and individual animal performance. *Crop Sci.* 51:420-432.
173. Vendramini, J.M.B., J.D. Arthington, **L.E. Sollenberger**, and T. Saraiva<sup>g</sup>. 2011. Rumen undegradable protein effects on early weaned calves grazing annual ryegrass. *Crop Sci.* 51:381-386.
174. Woodard, K.R.<sup>p</sup>, and **L.E. Sollenberger**. 2011. Broiler litter vs. ammonium nitrate as nitrogen source for bermudagrass hay production: Yield, nutritive value, and nitrate leaching. *Crop Sci.* 51:1342-1352.
175. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini, K.R. Woodard<sup>p</sup>, J.T. Gilmour, G.A. O'Connor, Y.C. Newman, M.L. Silveira, and J.B. Sartain. 2010. Municipal biosolids as an alternative nutrient source for bioenergy crops: II. Decomposition and organic nitrogen mineralization. *Agron. J.* 102:1314-1320.
176. Castillo, M.S.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini, K.R. Woodard<sup>p</sup>, G.A. O'Connor, Y.C. Newman, M.L. Silveira, and J.B. Sartain. 2010. Municipal biosolids as an alternative nutrient source for bioenergy crops: I. Elephantgrass biomass production and soil responses. *Agron. J.* 102:1308-1313.
177. Clavijo Michelangeli, J.A.<sup>g</sup>, Y.C. Newman, **L.E. Sollenberger**, C.R. Staples, L.E. Ortega, and M.C. Christman. 2010. Managing harvest of 'Tifton 85' bermudagrass for production and nutritive value. Online. *Forage and Grazinglands* doi:10.1094/FG-2010-0802-02-RS.
178. Interrante, S.M.<sup>g</sup>, **L.E. Sollenberger**, A.R.S. Blount, R. White-Leech<sup>g</sup>, and K. Liu<sup>g</sup>. 2010. Bahiagrass tiller dynamics in response to defoliation management. *Crop Sci.* 50:2124-2132.
179. Inyang, U.<sup>g</sup>, J.M.B. Vendramini, **L.E. Sollenberger**, B. Sellers, A. Adesogan, L. Paiva, and A. Lunpha<sup>f</sup>. 2010. Effects of stocking rates on animal performance and herbage responses of mulato and bahiagrass pastures. *Crop Sci.* 50:1079-1085.

180. Inyang, U.<sup>g</sup>, J.M.B. Vendramini, **L.E. Sollenberger**, M.L.A. Silveira, B. Sellers, A. Adesogan, L. Paiva, and A. Lunpha<sup>f</sup>. 2010. Harvest frequency and stubble height affects herbage accumulation, nutritive value, and persistence of 'Mulato II' grass. Forage and Grazinglands doi:10.1094/FG-2010-0923-01-RS.
181. Obour, A.K., M.L. Silveira, J.M.B. Vendramini, M.B. Adjei, and **L.E. Sollenberger**. 2010. Evaluating cattle manure application strategies on phosphorus and nitrogen losses from a Florida Spodosol. Agron. J. 102:1511-1521.
182. Silveira, M.L., J.M.B. Vendramini, and **L.E. Sollenberger**. 2010. Phosphorus management and water quality problems in grazingland ecosystems. Int. J. Agron. doi:10.1155/2010/517603.
183. Vendramini, J.M.B., A.T. Adesogan, M.L.A. Silveira, **L.E. Sollenberger**, O.C. Queiroz, and W.E. Anderson. 2010. Nutritive value and fermentation parameters of warm-season grass silage. Prof. Anim. Sci. 26:193-200.
184. Chikagwa-Malunga, S.K., A.T. Adesogan, **L.E. Sollenberger**, L.K. Badinga, N.J. Szabo, and R.C. Littell. 2009. Nutritional characterization of *Mucuna pruriens* 1. Effect of maturity on the nutritional quality of botanical fractions and the whole plant. Anim. Feed Sci. Technol. 148:34-50.
185. Chikagwa-Malunga, S.K., A.T. Adesogan, **L.E. Sollenberger**, S.C. Phatak, N.J. Szabo, S.C. Kim, C.M. Huisden, R.C. Littell. 2009. Nutritional characterization of *Mucuna pruriens*. 4. Does replacing soybean meal with *Mucuna pruriens* in lamb diets affect ruminal, blood and tissue L-dopa concentrations? Anim. Feed Sci. Technol. 148:124-137.
186. Dubeux, J.C.B., Jr.<sup>g</sup>, **L.E. Sollenberger**, L.A. Gaston, J.M.B. Vendramini<sup>g</sup>, S.M. Interrante<sup>g</sup>, and R.L. Stewart, Jr.<sup>g</sup> 2009. Animal behavior and soil nutrient redistribution in continuously stocked Pensacola bahiagrass pastures managed at different intensities. Crop Sci. 49:1503-1510.
187. Foster, J., A.T. Adesogan, J.C. Carter, **L.E. Sollenberger**, and A. Blount. 2009. Annual legumes to complement grass-based forage systems in the USA Gulf Coast region. Agron. J. 101:415-421.
188. Interrante, S.M.<sup>g</sup>, **L.E. Sollenberger**, A.R. Blount, S.W. Coleman, U.R. White<sup>g</sup>, and K. Liu<sup>g</sup>. 2009. Defoliation management of bahiagrass germplasm affects cover and persistence-related responses. Agron. J. 101:1381-1387.
189. Interrante, S.M.<sup>g</sup>, **L.E. Sollenberger**, A.R. Blount, U.R. White<sup>g</sup>, K. Liu<sup>g</sup>, and S.W. Coleman. 2009. Defoliation management of bahiagrass germplasm affects dry matter yield and herbage nutritive value. Agron. J. 101:989-995.

190. Mathews, B.W., J.R. Carpenter, and **L.E. Sollenberger**. 2009. In vitro digestibility and chemical composition of kikuyugrass as influenced by soil silicon, liming, and genotype. *Commun. Soil Sci. Pt. Anal.* 40:2855-2873.
191. Newman, Y.C., S. Agyin-Birikorang, M.B. Adjei, J.M. Scholberg, M.L. Silveira, J.M.B. Vendramini, J.E. Rechcigl, and **L.E. Sollenberger**. 2009. Nitrogen fertilization effect on phosphorus remediation potential of three perennial warm-season forages. *Agron. J.* 101:1243-1248.
192. Newman, Y.C., S. Agyin-Birikorang, M.B. Adjei, J.M. Scholberg, M.L. Silveira, J.M.B. Vendramini, J.E. Rechcigl, **L.E. Sollenberger**, and M. Chrysostome. 2009. Enhancing phosphorus phytoremediation potential of two warm-season perennial grasses with nitrogen fertilization. *Agron. J.* 101:1345-1351.
193. Nyambati, E.M.<sup>g</sup>, **L.E. Sollenberger**, M. Eilitta<sup>g</sup>, and J.G. Mureithi. 2009. Residual effects of relay-cropped mucuna and lablab on maize and bean yields in northwest Kenya. *African J. Agric. Res.* 4:1189-1198.
194. Reis, R.A.<sup>f</sup>, Y.C. Newman<sup>g</sup>, A. Hernandez Garay<sup>f</sup>, **L.E. Sollenberger**, L.M. Premazzi<sup>f</sup>, and D. Urbano<sup>f</sup>. 2009. Fall and winter management affect spring growth and nutritive value of Tifton 85 bermudagrass. Online. *Forage and Grazinglands* doi:10.1094/FG-2009-0102-01-RS.
195. Rouquette, F.M., Jr., L.A. Redmon, G.E. Aiken, G.M. Hill, **L.E. Sollenberger**, and J. Andrae. 2009. ASAS Centennial Paper: Future needs of research and extension in forage utilization. *J. Anim. Sci.* 87:438-446.
196. Krueger, N.A., A.T. Adesogan, C.R. Staples, W.K. Krueger, S.C. Kim, R.C. Littell, and **L.E. Sollenberger**. 2008. Effect of mode of applying fibrolytic enzymes or ammonia to bermudagrass hay on feed intake, digestion kinetics, and growth of beef steers. *J. Anim. Sci.* 86:882-889.
197. **Sollenberger, L.E.** 2008. Sustainable production systems for *Cynodon* species in the subtropics and tropics. *Braz. J. Anim. Sci.* 37:85-100.
198. Vendramini, J.M.B.<sup>g</sup>, **L.E. Sollenberger**, A.T. Adesogan, J.C.B. Dubeux, Jr.<sup>g</sup>, S.M. Interrante<sup>g</sup>, R.L. Stewart, Jr.<sup>g</sup>, and J.D. Arthington. 2008. Protein fractions of Tifton 85 and rye- ryegrass due to sward management practices. *Agron. J.* 100:463-469.
199. Vendramini, J.M.B.<sup>g</sup>, **L.E. Sollenberger**, J.C.B. Dubeux, Jr.<sup>g</sup>, S.M. Interrante<sup>g</sup>, R.L. Stewart, Jr.<sup>g</sup>, and J.D. Arthington. 2008. Sward management effects on forage component responses in a production system for early weaned calves. *Agron. J.* 100:1781-1786.
200. Dubeux, J.C.B., Jr.<sup>g</sup>, **L.E. Sollenberger**, B.W. Mathews, J.M. Scholberg, and H.Q. Santos<sup>f</sup>. 2007. Nutrient cycling in warm-climate grasslands. *Crop Sci.* 47:915-928.

201. Jank, L., K.H. Quesenberry, **L.E. Sollenberger**, D.S. Wofford, and P.M. Lyrene. 2007. Selection of morphological traits to improve forage characteristics of *Setaria sphacelata* grown in Florida. *New Zealand J. Agric. Res.* 50:73-83.
202. Stewart, R.L., Jr.<sup>g</sup>, **L.E. Sollenberger**, J.C.B. Dubeux, Jr.<sup>g</sup>, J.M.B. Vendramini<sup>g</sup>, S.M. Interrante<sup>g</sup>, and Y.C. Newman. 2007. Herbage and animal responses to management intensity of continuously stocked Pensacola bahiagrass pastures. *Agron. J.* 99:107-112.
203. Vendramini, J.M.B.<sup>g</sup>, **L.E. Sollenberger**, J.C.B. Dubeux, Jr.<sup>g</sup>, S.M. Interrante<sup>g</sup>, R.L. Stewart, Jr.<sup>g</sup>, and J.D. Arthington. 2007. Concentrate supplementation effects on the performance of early weaned calves grazing Tifton 85 bermudagrass. *Agron. J.* 99:399-404.
204. Vendramini, J.M.B.<sup>g</sup>, M.L.A. Silveira, J.C.B. Dubeux<sup>g</sup>, and **L.E. Sollenberger**. 2007. Environmental impacts and nutrient recycling on pastures grazed by cattle. *Brazilian J. Anim. Sci.* 36:139-149.
205. Woodard, K.R.<sup>p</sup>, **L.E. Sollenberger**, L.A. Sweat, D.A. Graetz, V.D. Nair, and S.J. Rymph. 2007. Phosphorus and other soil components in a dairy effluent sprayfield within the Central Florida Ridge. *J. Environ. Qual.* 36:1042-1049.
206. Woodard, K.R.<sup>p</sup>, **L.E. Sollenberger**, L.A. Sweat, D.A. Graetz, V.D. Nair, S.J. Rymph, and Yongsung Joo. 2007. Five year-round forage systems in a dairy effluent sprayfield: Phosphorus removal. *J. Environ. Qual.* 36:175-183.
207. Dubeux, J.C.B., Jr.<sup>g</sup>, **L.E. Sollenberger**, N.B. Comerford, J.M. Scholberg, A.C. Ruggieri<sup>f</sup>, J.M.B. Vendramini<sup>g</sup>, S.M. Interrante<sup>g</sup>, and K.M. Portier. 2006. Management intensity affects density fractions of soil organic matter from grazed bahiagrass swards. *Soil Biol. Biochem.* 38:2705-2711.
208. Dubeux, J.C.B., Jr.<sup>g</sup>, **L.E. Sollenberger**, S.M. Interrante<sup>g</sup>, J.M.B. Vendramini<sup>g</sup>, and R.L. Stewart, Jr.<sup>g</sup>. 2006. Litter decomposition and mineralization in grazed Pensacola bahiagrass pastures managed at different intensities. *Crop Sci.* 46:1305-1310.
209. Dubeux, J.C.B., Jr.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini<sup>g</sup>, R.L. Stewart, Jr.<sup>g</sup>, and S.M. Interrante<sup>g</sup>. 2006. Litter mass, deposition rate, and chemical composition in grazed Pensacola bahiagrass pastures managed at different intensities. *Crop Sci.* 46:1299-1304.
210. Dubeux, J.C.B., Jr.<sup>g</sup>, R.L. Stewart, Jr.<sup>g</sup>, **L.E. Sollenberger**, J.M.B. Vendramini<sup>g</sup>, and S.M. Interrante<sup>g</sup>. 2006. Spatial heterogeneity of herbage response to management intensity in continuously stocked Pensacola bahiagrass pastures. *Agron. J.* 98:1453-1459.
211. Grise, M.M.<sup>f</sup>, **L.E. Sollenberger**, J.C.B. Dubeux, Jr.<sup>g</sup>, S.M. Interrante<sup>g</sup>, R.L. Stewart, Jr.<sup>g</sup>, and A. Pelissari. 2006. Biomass allocation and forage quality in a Pensacola bahiagrass pasture in north-central Florida. *Acta Scientiarum Animal Science* 28:375-383.

212. Newman, Y.C.<sup>§</sup>, **L.E. Sollenberger**, K.J. Boote, L.H. Allen, Jr., J.M. Thomas, and R.C. Littell. 2006. Nitrogen fertilization affects bahiagrass responses to elevated atmospheric CO<sub>2</sub>. *Agron. J.* 98:382-387.
213. Nyambati, E.M.<sup>§</sup>, **L.E. Sollenberger**, C.K. Hiebsch, and S.C. Rono. 2006. On-farm productivity of relay-cropped mucuna and lablab in smallholder crop-livestock systems in northwestern Kenya. *J. Sustainable Agric.* 28:97-116.
214. Nyambati, E.M.<sup>§</sup>, **L.E. Sollenberger**, C.N. Karue, and N.K.R. Musimba. 2006. The value of *Acacia brevispica* and *Leucaena leucocephala* seedpods as dry-season supplements for calves in dry areas of Kenya. *African J. Agric. Res.* 1:118-124.
215. Vendramini, J.M.B.<sup>§</sup>, **L.E. Sollenberger**, J.C.B. Dubeux, Jr.<sup>§</sup>, S.M. Interrante<sup>§</sup>, R.L. Stewart, Jr.<sup>§</sup>, and J.D. Arthington. 2006. Concentrate supplementation effects on forage characteristics and performance of early weaned calves grazing rye-ryegrass pastures. *Crop Sci.* 46:1595-1600.
216. Boken, S.L., C.R. Staples, **L.E. Sollenberger**, T.C. Jenkins, and W.W. Thatcher. 2005. Effect of grazing and fat supplementation on production and reproduction of Holstein cows. *J. Dairy Sci.* 88:4258-4272.
217. Fontaneli, R.S.<sup>§</sup>, **L.E. Sollenberger**, R.C. Littell, and C.R. Staples. 2005. Performance of lactating dairy cows managed on pasture-based or in freestall barn-feeding systems. *J. Dairy Sci.* 88:1264-1276.
218. Mathews, B.W., J.R. Carpenter, **L.E. Sollenberger**, and S. Tsang. 2005. Phosphorus in Hawaiian kikuyugrass pastures and potential phosphorus release to water. *J. Environ. Qual.* 34:1214-1223.
219. Newman, Y.C.<sup>§</sup>, and **L.E. Sollenberger**. 2005. Grazing management and N fertilization effects on vaseygrass persistence in limpograss pastures. *Crop Sci.* 45:2038-2043.
220. Newman, Y.C.<sup>§</sup>, **L.E. Sollenberger**, K.J. Boote, L.H. Allen, Jr., J.C.V. Vu, and M.B. Hall. 2005. Temperature and carbon dioxide effects on chemical composition of rhizoma peanut herbage. *Crop Sci.* 45:316-321.
221. **Sollenberger, L.E.**, and R.S. Kalmbacher. 2005. Aeschynomene and carpon desmodium: Legumes for bahiagrass pasture in Florida. *Trop. Grassl.* 39:227.
222. **Sollenberger, L.E.**, J.E. Moore, V.G. Allen, and C.G.S. Pedreira. 2005. Reporting forage allowance in grazing experiments. *Crop Sci.* 45:896-900.
223. Stewart, R.L., Jr.<sup>§</sup>, J.C.B. Dubeux, Jr.<sup>§</sup>, **L.E. Sollenberger**, J.M.B. Vendramini<sup>§</sup>, and S.M. Interrante<sup>§</sup>. 2005. Stocking method affects plant responses of Pensacola bahiagrass pastures. Online. *Forage and Grazinglands* doi:10.1094/FG-2005-1028-01-RS.

224. Hernández Garay, A.<sup>f</sup>, **L.E. Sollenberger**, D.C. McDonald<sup>g</sup>, G.J. Ruegsegger, R.S. Kalmbacher, and P. Mislevy. 2004. Nitrogen fertilization and stocking rate affect stargrass pasture and cattle performance. *Crop Sci.* 44:1348-1354.
225. Hernández Garay, A.<sup>f</sup>, **L.E. Sollenberger**, C.R. Staples, and C.G.S. Pedreira<sup>g</sup>. 2004. Florigraze and Arbrook rhizoma peanut as pasture for growing Holstein heifers. *Crop Sci.* 44:1355-1360.
226. Chikagwa-Malunga, S.K., N. Krueger, D.B. Dean, **L.E. Sollenberger**, and A.T. Adesogan. 2003. Effect of maturity at harvest on the nutritive value, botanical fractions and biomass yield of *Mucuna pruriens*. *Trop. Subtropical Agroecosystems.* 3:127-130.
227. Dean, D.B., N. Krueger, **L.E. Sollenberger**, R.C. Littell, and A.T. Adesogan. 2003. The effect of treatment of bermudagrass and bahiagrass hays with fibrolytic enzymes on digestibility in vitro. *Trop. Subtropical Agroecosystems* 3:197-200.
228. Eilitta, M.<sup>g</sup>, **L.E. Sollenberger**, R.C. Littell, and L.W. Harrington. 2003. On-farm experiments with maize-mucuna systems in southeastern Veracruz, Mexico: I. Mucuna biomass and maize grain yield. *Exper. Agric.* 39:5-17.
229. Eilitta, M.<sup>g</sup>, **L.E. Sollenberger**, R.C. Littell, and L.W. Harrington. 2003. On-farm experiments with maize-mucuna systems in southeastern Veracruz, Mexico: II. Mucuna variety evaluation and subsequent maize yield. *Exper. Agric.* 39:19-27.
230. Fike, J.H.<sup>g</sup>, C.R. Staples, **L.E. Sollenberger**, B. Macoon, and J.E. Moore. 2003. Pasture forages, supplementation rate, and stocking rate effects on dairy cow performance. *J. Dairy Sci.* 86:1268-1281.
231. Macoon, B.<sup>g</sup>, **L.E. Sollenberger**, J.E. Moore, C.R. Staples, J.H. Fike<sup>g</sup>, and K.M. Portier. 2003. Comparison of three techniques for estimating forage intake of lactating dairy cows on pasture. *J. Anim. Sci.* 81:2357-2366.
232. Mathews, B.W., and **L.E. Sollenberger**. 2003. Use of dilute oxalate to recover exchangeable aluminum immobilized by sulfate salt addition to a rhodic Kandudult subsoil. *Commun. Soil Sci. Plant Anal.* 34:531-545.
233. Newman, Y.C.<sup>g</sup>, **L.E. Sollenberger**, and C.G. Chambliss. 2003. Canopy characteristics of continuously stocked limpograss swards grazed to different heights. *Agron. J.* 95:1246-1252.
234. Newman, Y.C.<sup>g</sup>, **L.E. Sollenberger**, A.M. Fox, and C.G. Chambliss. 2003. Canopy height effects on vaseygrass and bermudagrass spread in limpograss pastures. *Agron. J.* 95:390-394.



235. Nyambati, E.M.<sup>g</sup>, and **L.E. Sollenberger**. 2003. Nutritive value of top-canopy herbage of *Mucuna* and *Lablab* relay cropped in maize in the sub-humid highlands of northwestern Kenya. *Tropical & Subtropical Agroecosystems* 1:81-86.
236. Nyambati, E.M.<sup>g</sup>, **L.E. Sollenberger**, and W.E. Kunkle. 2003. Feed intake and lactation performance of dairy cows offered napiergrass supplemented with legume hay. *Livestock Prod. Sci.* 83:179-189.
237. Woodard, K.R.<sup>p</sup>, E.C. French, L.A. Sweat, D.A. Graetz, **L.E. Sollenberger**, B. Macoon<sup>p</sup>, K.M. Portier, S.J. Rymph, B.L. Wade, G.M. Prine, and H.H. Van Horn. 2003. Nitrogen removal and nitrate leaching for two perennial, sod-based forage systems receiving dairy effluent. *J. Environ. Qual.* 32:996-1007.
238. Burns, J.C., and **L.E. Sollenberger**. 2002. Grazing behavior of ruminants and daily performance from warm-season grasses. *Crop Sci.* 42:873-881.
239. Fike, J.H.<sup>g</sup>, C.R. Staples, **L.E. Sollenberger**, J.E. Moore, and H.H. Head. 2002. Southeastern pasture-based dairy systems: Housing, posilac, and supplemental silage effects on cow performance. *J. Dairy Sci.* 85:866-878.
240. Johnson, S.E.<sup>g</sup>, **L.E. Sollenberger**, I.F. Andrade<sup>f</sup>, and J.M. Bennett. 2002. Nutritive value of rhizoma peanut growing under shade. *Agron. J.* 94:1071-1077.
241. Macon, B.<sup>g</sup>, **L.E. Sollenberger**, and J.E. Moore. 2002. Defoliation effects on persistence and productivity of four *Pennisetum* genotypes. *Agron. J.* 94:541-548.
242. Macon, B.<sup>p</sup>, K.R. Woodard<sup>p</sup>, **L.E. Sollenberger**, E.C. French, III, K.M. Portier, D.A. Graetz, G.M. Prine, and H.H. Van Horn, Jr. 2002. Dairy effluent effects on herbage yield and nutritive value of forage cropping systems. *Agron J.* 94:1043-1049.
243. Mathews, B.W., S. Tsang, R.S. Senock, and **L.E. Sollenberger**. 2002. Soil nutrient supply under Sydney blue gum, N-fixing albizia, and naturalized hilograss fallow in Hawai'i. *Soil Crop Sci. Soc. Fla. Proc.* 61:56-62.
244. Newman, Y.C.<sup>g</sup>, **L.E. Sollenberger**, W.E. Kunkle, D.B. Bates. 2002. Crude protein fractionation and degradation parameters of limpgrass herbage. *Agron. J.* 94:1381-1386.
245. Newman, Y.C.<sup>g</sup>, **L.E. Sollenberger**, W.E. Kunkle, and C.G. Chambliss. 2002. Canopy height and nitrogen supplementation effects on performance of heifers grazing limpgrass. *Agron. J.* 94:1375-1380.
246. Williams, M.J., E. Valencia<sup>g</sup>, and **L.E. Sollenberger**. 2002. No-till establishment of rhizoma peanut. *Agron. J.* 94:1350-1354.
247. Woodard, K.R.<sup>p</sup>, E.C. French, L.A. Sweat, D.A. Graetz, **L.E. Sollenberger**, B. Macoon<sup>p</sup>, K.M. Portier, B.L. Wade, S.J. Rymph, G.M. Prine, and H.H. Van Horn. 2002. Nitrogen

- removal and nitrate-N leaching for forage systems receiving dairy effluent. *J. Environ. Qual.* 31:1980-1992.
248. Fontaneli, R.S.<sup>§</sup>, **L.E. Sollenberger**, and C.R. Staples. 2001. Yield, yield distribution, and nutritive value of intensively managed pearl millet and sorghum-sudangrass. *Agron. J.* 93:1257-1262.
249. Macoon, B.<sup>§</sup>, **L.E. Sollenberger**, and J.E. Moore. 2001. Defoliation effects on leaf blade proportion and nutritive value of four *Pennisetum* genotypes. *Soil Crop Sci. Soc. Fla. Proc.* 60:114-119.
250. Mathews, B.W., J.R. Carpenter, **L.E. Sollenberger**, and K.D. Hisashima. 2001. Macronutrient, soil organic carbon, and earthworm distribution in subtropical pastures on an Andisol with and without long-term fertilization. *Commun. Soil Sci. Plant Anal.* 32:209-230.
251. Newman, Y.C.<sup>§</sup>, **L.E. Sollenberger**, K.J. Boote, L.H. Allen, Jr., and R.C. Littell. 2001. Carbon dioxide and temperature effects on forage dry matter production. *Crop Sci.* 41:399-406.
252. Valencia, E.<sup>§</sup>, M.J. Williams, C.C. Chase, Jr., **L.E. Sollenberger**, A.C. Hammond, R.S. Kalmbacher, and W.E. Kunkle. 2001. Pasture management effects on diet composition and cattle performance on continuously stocked rhizoma peanut-mixed grass swards. *J. Anim. Sci.* 79:2456-2464.
253. Fontaneli, R.S.<sup>§</sup>, **L.E. Sollenberger**, and C.R. Staples. 2000. Seeding date effects on yield and nutritive value of cool-season annual forage mixtures. *Soil Crop Sci. Soc. Fla. Proc.* 59:60-67.
254. Pedreira, C.G.S.<sup>§</sup>, **L.E. Sollenberger**, and P. Mislevy. 2000. Botanical composition, light interception, and carbohydrate reserve status of grazed 'Florakirk' bermudagrass. *Agron. J.* 92:194-199.
255. Fritschi, F.B.<sup>§</sup>, K.J. Boote, **L.E. Sollenberger**, L.H. Allen, Jr., and T.R. Sinclair. 1999. Carbon dioxide and temperature effects on forage establishment: photosynthesis and biomass production. *Global Change Biology* 5:441-453.
256. Fritschi, F.B.<sup>§</sup>, K.J. Boote, **L.E. Sollenberger**, and L.H. Allen, Jr. 1999. Carbon dioxide and temperature effects on forage establishment: tissue composition and nutritive value. *Global Change Biology* 5:743-753.
257. Lima, G.F. da<sup>§</sup>, **L.E. Sollenberger**, W.E. Kunkle, J.E. Moore, and A.C. Hammond. 1999. Nitrogen fertilization and supplementation effects on performance of beef heifers grazing limpgrass. *Crop Sci.* 39:1853-1858.

258. Mathews, B.W., J.P. Tritschler, L.A. Gaston, and **L.E. Sollenberger**. 1999. Soil macronutrient distribution in rotationally stocked kikuyugrass paddocks. *Commun. Soil Sci. Plant Anal.* 30:557-571.
259. Pedreira, C.G.S.<sup>g</sup>, **L.E. Sollenberger**, and P. Mislevy. 1999. Productivity and nutritive value of 'Florakirk' bermudagrass as affected by grazing management. *Agron. J.* 91:796-801.
260. Valencia, E.<sup>g</sup>, M.J. Williams, C.C. Chase, **L.E. Sollenberger**, A.C. Hammond, R.S. Kalmbacher, and W.E. Kunkle. 1999. Management effects on herbage yield and botanical composition of rhizoma peanut-mixed grass associations. *Agron. J.* 91:431-438.
261. Valencia, E.<sup>g</sup>, M.J. Williams, and **L.E. Sollenberger**. 1999. Yield and botanical composition of rhizoma peanut-grass swards treated with herbicides. *Agron. J.* 91:956-961.
262. Andrade, I.F.<sup>f</sup>, L.G. Atkinson<sup>g</sup>, **L.E. Sollenberger**, G.J. Ruegsegger, P. Mislevy, and R.S. Kalmbacher. 1998. Stockpiling herbaceous tropical legumes for dry season feed in Jamaica. *Trop. Grassl.* 32:166-172.
263. Chaparro, C.J.<sup>g</sup>, and **L.E. Sollenberger**. 1997. Nutritive value of clipped Mott elephantgrass herbage. *Agron. J.* 89:789-793.
264. Garcez-Yepepe, P., W.E. Kunkle, D.B. Bates, J.E. Moore, W.W. Thatcher, and **L.E. Sollenberger**. 1997. Effects of energy source and amount on forage intake and performance by steers and intake and diet digestibility by sheep. *J. Anim. Sci.* 75:1918-1925.
265. Chaparro, C.J., **L.E. Sollenberger**, and K.H. Quesenberry. 1996. Light interception, reserve status, and persistence of clipped Mott elephantgrass swards. *Crop Sci.* 39:649-655.
266. Rice, R.W., **L.E. Sollenberger**, K.H. Quesenberry, G.M. Prine, and E.C. French. 1996. Establishment of rhizoma perennial peanut with varied rhizome nitrogen and carbohydrate concentrations. *Agron. J.* 88:61-66.
267. Chaparro, C.J., **L.E. Sollenberger**, and C.S. Jones, Jr. 1995. Defoliation effects on Mott elephantgrass productivity and leaf percentage. *Agron. J.* 87:981-985.
268. Rice, R.W., **L.E. Sollenberger**, K.H. Quesenberry, G.M. Prine, and E.C. French. 1995. Defoliation effects on rhizoma perennial peanut rhizome characteristics and establishment performance. *Crop Sci.* 35:1291-1299.
269. Ruiz, T.M., E. Bernal, C.R. Staples, **L.E. Sollenberger**, and R.N. Gallaher. 1995. Effect of dietary neutral detergent fiber concentration and forage source on performance of lactating cows. *J. Dairy Sci.* 78:305-319.

270. Spitaleri, R.F.<sup>§</sup>, **L.E. Sollenberger**, C.R. Staples, and S.C. Schank. 1995. Harvest management effects on ensiling characteristics and silage nutritive value of seeded *Pennisetum* hexaploid hybrids. *Postharv. Biol. Tech.* 5:353-362.
271. Johnson, S.E.<sup>§</sup>, **L.E. Sollenberger**, and J.M. Bennett. 1994. Yield and reserve status of rhizoma peanut growing under shade. *Crop Sci.* 34:757-761.
272. Mathews, B.W.<sup>§</sup>, **L.E. Sollenberger**, V.D. Nair, and C.R. Staples. 1994. Impact of grazing management on soil N, P, K, and S distribution. *J. Environ. Qual.* 23:1006-1013.
273. Mathews, B.W.<sup>§</sup>, **L.E. Sollenberger**, P. Nkedi-Kizza, L.A. Gaston, and H.D. Hornsby. 1994. Soil sampling procedures for monitoring potassium distribution in grazed pastures. *Agron. J.* 86:121-126.
274. Mathews, B.W.<sup>§</sup>, **L.E. Sollenberger**, and C.R. Staples. 1994. Dairy heifer and bermudagrass pasture responses to rotational and continuous stocking. *J. Dairy Sci.* 77:244-252.
275. Mathews, B.W.<sup>§</sup>, **L.E. Sollenberger**, and C.R. Staples. 1994. In vitro digestibility and nutrient concentration of bermudagrass under rotational stocking, continuous stocking, and clipping. *Comm. Soil Sci. Plt. Anal.* 25:301-317.
276. Mathews, B.W.<sup>§</sup>, **L.E. Sollenberger**, and C.R. Staples. 1994. Sulfur fertilization of bermudagrass and effect on digestion of nitrogen, sulfur, and fiber by nonlactating cows. *J. Haw. Pac. Agric.* 5:21-30.
277. Spitaleri, R.F.<sup>§</sup>, **L.E. Sollenberger**, S.C. Schank, and C.R. Staples. 1994. Defoliation effects on agronomic performance of seeded *Pennisetum* hexaploid hybrids. *Agron. J.* 86:695-698.
278. Flores, J.A.<sup>§</sup>, J.E. Moore, and **L.E. Sollenberger**. 1993. Determinants of forage quality in Pensacola bahiagrass and Mott elephantgrass. *J. Anim. Sci.* 71:1606-1614.
279. Rusland, G.A., **L.E. Sollenberger**, and C.S. Jones, Jr. 1993. Nitrogen fertilization effects on planting stock characteristics and establishment performance of dwarf elephantgrass. *Agron. J.* 85:857-861.
280. Chaparro, C.J.<sup>§</sup>, **L.E. Sollenberger**, and C.S. Jones, Jr. 1992. Limpograss sod management and aescynomene seed reserve effects on legume reestablishment. *Agron. J.* 84:195-200.
281. Holderbaum, J.F.<sup>§</sup>, **L.E. Sollenberger**, K.H. Quesenberry, J.E. Moore, and C.S. Jones, Jr. 1992. Canopy structure and nutritive value of rotationally-grazed limpograss pastures during mid-summer to early autumn. *Agron. J.* 84:11-16.

282. Ruiz, T.M., W.K. Sanchez, C.R. Staples, and **L.E. Sollenberger**. 1992. Comparison of 'Mott' dwarf elephantgrass and corn silage for lactating dairy cows. *J. Dairy Sci.* 75:533-543.
283. Mathews, B.W.<sup>g</sup>, R.E. Joost, and **L.E. Sollenberger**. 1992. Response of 'Florida 77' alfalfa grown on an acid soil to surface application of phosphogypsum, langbeinite, and muriate of potash. *Soil Crop Sci. Soc. Fla. Proc.* 51:130-135.
284. Ortega-S., J.A.<sup>g</sup>, **L.E. Sollenberger**, J.M. Bennett, and J.A. Cornell. 1992. Rhizome characteristics and canopy light interception of grazed rhizoma peanut pastures. *Agron. J.* 84:804-809.
285. Ortega-S., J.A.<sup>g</sup>, **L.E. Sollenberger**, K.H. Quesenberry, J.A. Cornell, and C.S. Jones, Jr. 1992. Productivity and persistence of rhizoma peanut pastures under different grazing managements. *Agron. J.* 84:799-804.
286. Chaparro, C.J.<sup>g</sup>, **L.E. Sollenberger**, and S.B. Linda. 1991. Grazing management effects on *aeschynomene* seed production. *Crop Sci.* 31:197-201.
287. Holderbaum, J.F., **L.E. Sollenberger**, J.E. Moore, D.B. Bates, W.E. Kunkle, and A.C. Hammond. 1991. Protein supplementation of steers grazing limpgrass pasture. *J. Prod. Agric.* 4:437-441.
288. Knettle, J.R.<sup>g</sup>, G.M. Prine, O.C. Ruelke, **L.E. Sollenberger**, and C.R. Staples. 1991. Forage potential of Mott dwarf elephantgrass evaluated under intensive management in northern Florida. *Soil Crop Sci. Soc. Fla. Proc.* 50:51-54.
289. **Sollenberger, L.E.**, M.J. Williams, and C.S. Jones, Jr. 1991. Vegetative establishment of dwarf elephantgrass: Effect of planting date, density, and location. *Soil Crop Sci. Soc. Fla. Proc.* 50:47-51.
290. Cherney, J.H., D.J.R. Cherney, **L.E. Sollenberger**, J.A. Patterson, and K.V. Wood. 1990. Identification of a quinic acid ester in limpgrass and its influence on fiber digestion. *J. Agric. Food Chem.* 38:2140-2143.
291. **Sollenberger, L.E.**, C.S. Jones, Jr., K.A. Albrecht, and G.H. Ruitenberg<sup>f</sup>. 1990. Vegetative establishment of dwarf elephantgrass: Effect of defoliation prior to planting stems. *Agron. J.* 82:274-278.
292. Canudas, E.G., K.H. Quesenberry, **L.E. Sollenberger**, and G.M. Prine. 1989. Establishment of two cultivars of rhizoma peanut as affected by weed control and planting rate. *Trop. Grassl.* 23:162-170.
293. **Sollenberger, L.E.**, and C.S. Jones, Jr. 1989. Beef production from nitrogen-fertilized Mott dwarf elephantgrass and Pensacola bahiagrass pastures. *Trop. Grassl.* 23:129-134.

294. **Sollenberger, L.E.**, G.M. Prine, W.R. Ocumpaugh, W.W. Hanna, C.S. Jones, Jr., S.C. Schank, and R.S. Kalmbacher. 1989. Registration of 'Mott' dwarf elephantgrass. *Crop Sci.* 29:827-828.
295. **Sollenberger, L.E.**, G.A. Rusland, C.S. Jones, Jr., K.A. Albrecht, and K.L. Gieger. 1989. Animal and forage responses on rotationally grazed 'Floralta' limpgrass and 'Pensacola' bahiagrass pastures. *Agron. J.* 81:760-764.
296. Rusland, G.A., **L.E. Sollenberger**, K.A. Albrecht, C.S. Jones, Jr., and L.V. Crowder. 1988. Animal performance on limpgrass-aeschynomene and nitrogen-fertilized limpgrass pastures. *Agron. J.* 80:957-962.
297. **Sollenberger, L.E.**, W.R. Ocumpaugh, V.P.B. Euclides, J.E. Moore, K.H. Quesenberry, and C.S. Jones, Jr. 1988. Animal performance on continuously stocked 'Pensacola' bahiagrass and 'Floralta' limpgrass pastures. *J. Prod. Agric.* 1:216-220.
298. **Sollenberger, L.E.**, G.M. Prine, W.R. Ocumpaugh, S.C. Schank, R.S. Kalmbacher, and C.S. Jones, Jr. 1987. Dwarf elephantgrass: A high quality forage with potential in Florida and the tropics. *Soil Crop Sci. Soc. Fla. Proc.* 46:42-46.
299. **Sollenberger, L.E.**, J.E. Moore, K.H. Quesenberry, and P.T. Beede. 1987. Relationships between canopy botanical composition and diet selection in aeschynomene-limpgrass pastures. *Agron. J.* 79:1049-1054.
300. **Sollenberger, L.E.**, K.H. Quesenberry, and J.E. Moore. 1987. Effects of grazing management on establishment and productivity of aeschynomene overseeded in limpgrass pastures. *Agron. J.* 79:78-82.
301. **Sollenberger, L.E.**, K.H. Quesenberry, and J.E. Moore. 1987. Forage quality responses of an aeschynomene-limpgrass association to grazing management. *Agron. J.* 79:83-89.
302. **Sollenberger, L.E.**, and K.H. Quesenberry. 1986. Seed production responses of *Aeschynomene americana* to grazing management. *Soil Crop Sci. Soc. Fla. Proc.* 45:157-161.
303. **Sollenberger, L.E.**, and K.H. Quesenberry. 1985. Factors affecting the establishment of aeschynomene in Floralta limpgrass sods. *Soil Crop Sci. Soc. Fla. Proc.* 44:141-146.
304. **Sollenberger, L.E.**, W.C. Templeton, Jr., and R.R. Hill, Jr. 1984. Orchardgrass and perennial ryegrass with applied nitrogen and in mixtures with legumes. I. Total dry matter and nitrogen yields. *Grass and Forage Sci.* 39:255-262.
305. **Sollenberger, L.E.**, W.C. Templeton, Jr., and R.R. Hill, Jr. 1984. Orchardgrass and perennial ryegrass with applied nitrogen and in mixtures with legumes. II. Component contributions to dry matter and nitrogen harvests. *Grass and Forage Sci.* 39:263-270.

## Books Edited

1. Moser, L.E., B.L. Burson, and **L.E. Sollenberger** (ed.). 2004. Warm-season (C<sub>4</sub>) grasses. ASA, CSSA, SSSA, Madison, WI.

## Book Chapters

1. Dubeux, J.C.B., and **L.E. Sollenberger**. 2020. Nutrient cycling in grazed pastures. p. 59-75. In F.M. Rouquette and G.E. Aiken (eds.) Management strategies for sustainable cattle production on southern pastures. Elsevier Publishers, Amsterdam, Netherlands.
2. **Sollenberger, L.E.**, G.E. Aiken, and M.O. Wallau. 2020. Managing grazing in forage-livestock systems. p. 77-100. In F.M. Rouquette and G.E. Aiken (eds.) Management strategies for sustainable cattle production on southern pastures. Elsevier Publishers, Amsterdam, Netherlands.
3. **Sollenberger, L.E.**, Y.C. Newman, and B. Macoon. 2020. Pasture design and grazing management. p. 803-814. In K.J. Moore et al. (eds.) Forage, Volume II – The science of grassland agriculture (7<sup>th</sup> edition), John Wiley and Sons Publishers, West Sussex, UK. <https://doi.org/10.1002/9781119436669.ch44>
4. **Sollenberger, L.E.**, J.M.B. Vendramini, C.G.S. Pedreira, and E.F. Rios. 2020. Warm-season grasses for humid areas. p. 331-345. In K.J. Moore et al. (eds.) Forage, Volume II – The science of grassland agriculture (7<sup>th</sup> edition), John Wiley and Sons Publishers, West Sussex, UK. <https://doi.org/10.1002/9781119436669.ch18>
5. **Sollenberger, L.E.**, and M.O. Wallau. 2020. Grassland-herbivore interactions. p. 201-214. In K.J. Moore et al. (eds.) Forage, Volume II – The science of grassland agriculture (7<sup>th</sup> edition), John Wiley and Sons Publishers, West Sussex, UK. <https://doi.org/10.1002/9781119436669.ch10>.
6. **Sollenberger, L.E.**, and M. Collins. 2017. Legumes for southern areas. p. 133-149. In M. Collins et al. (eds.) Forages, Volume 1 - An introduction to grassland agriculture (7<sup>th</sup> edition), John Wiley and Sons Publishers, West Sussex, UK.
7. **Sollenberger, L.E.**, S.W. Coleman, and J.M.B. Vendramini. 2014. Plant-animal interface in grazing systems. p. 75-86. In R.A. Reis et al. (ed). Forages: Science, technology and management of forage resources. Federal University of Lavras, Lavras, Brazil.
8. **Sollenberger, L.E.**, C.T. Agouridis, E.S. Vanzant, A.J. Franzluebbbers, and L.B. Owens. 2012. Prescribed grazing on pasturelands. p. 111-204. In C.J. Nelson (ed.) Conservation outcomes from pastureland and hayland practices: Assessment, recommendations, and knowledge gaps. Allen Press, Lawrence, KS.
9. Nelson, C.J., D.J. Barker, **L.E. Sollenberger**, and C.W. Wood. 2012. New foundations for conservation standards. p. 5-24. In C.J. Nelson (ed.) Conservation outcomes from

pastureland and hayland practices: Assessment, recommendations, and knowledge gaps. Allen Press, Lawrence, KS.

10. Sheaffer, C.C., **L.E. Sollenberger**, M.H. Hall, C.P. West, and D.B. Hannaway. 2009. Grazinglands, forages, and livestock in humid regions. p. 95-120. *In* W. Wedin and S. Fales (ed.) Grassland: Quietness and strength for a new American agriculture. ASA-CSSA-SSSA, Madison, WI.
11. Allen, V.G., R. Heitschmidt, and **L.E. Sollenberger**. 2007. Grazing systems and strategies. p. 709-729. *In* R.F Barnes et al. (ed.) Forages - The science of grassland agriculture, Blackwell Publishing, Ames, IA.
12. Coleman, S.W., and **L.E. Sollenberger**. 2007. Plant-herbivore interactions. p.123-136. *In* R.F Barnes et al. (ed.) Forages - The science of grassland agriculture, Blackwell Publishing, Ames, IA.
13. Hanna, W.W., and **L.E. Sollenberger**. 2007. Tropical and subtropical grasses. p. 245-255. *In* R.F Barnes et al. (ed.) Forages - The science of grassland agriculture, Blackwell Publishing, Ames, IA.
14. **Sollenberger, L.E.**, and Y.C. Newman<sup>g</sup>. 2007. Grazing management. p. 651-659. *In* R.F Barnes et al. (ed.) Forages - The science of grassland agriculture, Blackwell Publishing, Ames, IA.
15. Hanna, W.W., C.J. Chaparro<sup>g</sup>, B.W. Mathews<sup>g</sup>, J.C. Burns, **L.E. Sollenberger**, and J.R. Carpenter. 2004. Perennial *Pennisetums*. p. 503-535. *In* L.E. Moser, B.L. Burson, and L.E. Sollenberger (ed.). Warm-season (C<sub>4</sub>) grasses. ASA/CSSA/SSSA, Madison, WI.
16. Moser, L.E., B.L. Burson, and **L.E. Sollenberger**. 2004. Warm-season(C<sub>4</sub>) grass overview. p. 1-14. *In* L.E. Moser, B.L. Burson, and L.E. Sollenberger (ed.). Warm-season (C<sub>4</sub>) grasses. ASA/CSSA/SSSA, Madison, WI.
17. Quesenberry, K.H., **L.E. Sollenberger**, and Y.C. Newman<sup>g</sup>. 2004. Limpograss. p. 809-832. *In* L.E. Moser, B.L. Burson, and L.E. Sollenberger (ed.). Warm-season (C<sub>4</sub>) grasses. ASA/ CSSA/SSSA, Madison, WI.
18. **Sollenberger, L.E.**, R.A. Reis<sup>f</sup>, L.G. Nussio, C.G. Chambliss, and W.E. Kunkle. 2004. Forage conservation. p. 355-387. *In* L.E. Moser, B.L. Burson, and L.E. Sollenberger (ed.). Warm-season (C<sub>4</sub>) grasses. ASA/CSSA/SSSA, Madison, WI.
19. **Sollenberger, L.E.**, and M. Collins. 2003. Legumes for southern areas. p. 191-213. *In* R.F Barnes, C.J. Nelson, M. Collins, and K.J. Moore (ed.) Forages, Volume 1 - An introduction to grassland agriculture, Iowa State Univ. Press, Ames, IA.
20. Eilittä, M.<sup>g</sup>, and **L.E. Sollenberger**. 2002. The many uses of mucuna: velvetbean in the southern United States in the early 20th century. p. 73-110. *In* M. Flores, M. Eilittä, R.



Myhrman, L. Carew, and B. Carsky (ed.) Food and feed from mucuna: Current uses and the way forward. Proceedings of a Workshop in Tegucigalpa, Honduras, 26-29 Apr. 2001. CIDICCO, CIEPCA, and World Hunger Research Center. Tegucigalpa, Honduras.

21. Moore, J.E., and **L.E. Sollenberger**. 1997. Techniques to predict pasture intake. p. 79-96. In J.A. Gomide (ed.) Proceedings of the International Symposium on Animal Production Under Grazing. Departamento de Zootecnia, Universidad Federal de Vicosa. 4-6 Nov. 1997, Vicosa, MG, Brazil.
22. Mathews, B.W.<sup>g</sup>, **L.E. Sollenberger**, and J.P. Tritschler II. 1996. Grazing systems and spatial distribution of nutrients in pastures: Soil considerations. p. 213-229. In R.E. Joost and C.A. Roberts (ed.) Nutrient cycling in forage systems. Potash and Phosphate Institute and The Foundation for Agronomic Research, Manhattan, Kansas.
23. Ocuppaugh, W.R., and **L.E. Sollenberger**. 1995. Other grasses for the Humid South. p. 441-449. In R.F Barnes, D.A. Miller, and C.J. Nelson (ed.) Forages: An introduction to grassland agriculture, (vol. 1), Iowa State Univ. Press, Ames, IA.
24. **Sollenberger, L.E.**, and D.J.R. Cherney. 1995. Evaluating forage production and quality. p. 97-110. In R.F Barnes, D.A. Miller, and C.J. Nelson (ed.) Forages: The science of grassland agriculture (vol. 2), Iowa State Univ. Press, Ames, IA.
25. Moore, J.E., **L.E. Sollenberger**, G.A. Morantes, and P.T. Beede. 1987. Canopy structure of *Aeschynomene americana*-*Hemarthria altissima* pastures and ingestive behavior of cattle. p. 93-114. In F.P. Horn, J. Hodgson, J.J. Mott, and R.W. Brougham (ed.) Grazing-lands research at the plant-animal interface. Winrock International, Morrilton, Arkansas.

**Refereed Proceedings (These papers were prepared for presentation at a professional meeting as an invited talk. The papers were reviewed by the organizing committee and included in the proceedings upon acceptance).**

1. **Sollenberger, L.E.** 2023. Mentoring graduate students for careers in grassland science. p. 1724-1727. In: R. Smith et al. (eds.) Proc. Int. Grassl. Cong. 25th. 14-19 May 2023. Curran Associates, Inc., Red Hook, NY. <https://doi.org/10.52202/071171-04235>
2. **Sollenberger, L.E.**, and M.M. Kohmann<sup>G</sup>. 2023. Climate change and legume performance in grassland agroecosystems. p. 911-916. In: R. Smith et al. (eds.) Proc. Int. Grassl. Cong. 25th. 14-19 May 2023. Curran Associates, Inc., Red Hook, NY. <https://doi.org/10.52202/071171-0217>
3. Dubeux, J.C.B., Jr., and **L.E. Sollenberger**. 2021. Sustainable intensification of livestock systems using forage legumes. Proc. Int. Grassl. Cong. 24th, Nairobi.
4. Adesogan, A.T., J.C.B. Dubeux, and **L.E. Sollenberger**. 2015. Nutrient movements through ruminant livestock production systems. Proc. Int. Grassl. Cong. 23rd. India.

5. Dubeux Jr., J.C.B., J.P. Muir, P.K.R. Nair, L.E. Sollenberger, H.M.S. Silva, A.C.L. Mello. 2015. The advantages and challenges of integrating tree legumes into pastoral systems. p. 141-164. In: A.R. Evangelista et al. (eds.), International Conference on Forages in Warm Climates, Lavras, MG. Lavras, UFLA.
6. Dubeux, J.C.B., Jr., L.E. Sollenberger, H.M.S. Silva, T.C. de Souza, E.L. Mozley III, and E.R.S. Santos. 2014. Nutrient cycling in tropical pastures: What do we know? p. 253-286. In O.G. Pereira et al. (ed.) 7th Symposium on Strategic Management of Pasture. 13-15 Nov. 2014. Viçosa, Brazil.
7. Sollenberger, L.E., J.C. Dubeux, Jr., and J.P. Muir. 2014. Establishment and management of legume-grass pastures. p. 135-177. In O.G. Pereira et al. (ed.) 7th Symposium on Strategic Management of Pasture. 13-15 Nov. 2014. Viçosa, Brazil.
8. Sollenberger, L.E. 2014. Changing emphases in soil-plant-animal research in pastures. In Proc. Brazilian Soc. Animal Sci. Mtg., 51st, Barra dos Coqueiros, Brazil. 29 July-1 Aug. 2014. Sociedade Brasileira de Zootecnia, Brasilia, Brazil. (38 pages).
9. Sollenberger, L.E., and E.S. Vanzant. 2010. Grazing management under subtropical conditions. p. 41-67. In O.G. Pereira et al. (ed.) 5<sup>th</sup> Symposium on Strategic Management of Pasture and 3rd International Symposium on Animal Production Under Grazing. 11-13 Nov. 2010. Viçosa, Brazil.
10. Silveira, M.L., J.M.B. Vendramini<sup>g</sup>, and L.E. Sollenberger. 2008. Pasture fertilization and water quality. p. 279-283. In O.G. Pereira et al. (ed.). 4<sup>th</sup> Symposium on Strategic Management of Pasture and 2<sup>nd</sup> International Symposium on Animal Production under Grazing. 13-15 Nov. 2008, Viçosa, Brazil. Dept. de Zootecnia, Universidade Federal de Viçosa, Viçosa, Brazil.
11. Sollenberger, L.E. 2008. Sustainable production systems for *Cynodon* species in the subtropics and tropics. p. 85-100. In A.R. Evangelista et al. (ed.) Proc. Brazilian Soc. Animal Sci. Mtg., 45th, Lavras, Brazil. 22-25 July 2008. Sociedade Brasileira de Zootecnia, Brasilia, Brazil.
12. Sollenberger, L.E., and R.S. Kalmbacher. 2005. Aeschynomene and carpon desmodium: Legumes for bahiagrass pasture in Florida. p. 334-340. In F.P. O'Mara et al. (ed.) Proc. Int. Grassl. Cong., 20<sup>th</sup>, Dublin, Ireland, 26 June - 1 July 2005. Wageningen Academic Publishers, Wageningen, The Netherlands.
13. Dubeux, J.C.B., Jr.<sup>g</sup>, H.Q. Santos<sup>f</sup> and L.E. Sollenberger. 2004. Nutrient cycling: Perspectives for increasing sustainability of intensively managed pastures. p. 357-400. In C.G.S. Pedreira et al. (ed.) Proceedings of the 21<sup>st</sup> Pasture Management Symposium, 7-9 Sept. 2004. Piracicaba, Brazil. Luiz de Queiroz Agronomic Studies Foundation, Piracicaba, Brazil.
14. Sollenberger, L.E., J.C.B. Dubeux<sup>g</sup>, H.Q. Santos<sup>f</sup>, and B.W. Mathews<sup>g</sup>. 2002. Nutrient

cycling in tropical pasture ecosystems. p. 151-179. *In* A.M.V. Batista et al. (ed.) Proc. Brazilian Soc. Animal Sci., 39<sup>th</sup>, Recife, Brazil. 29 July-1 Aug. 2002. Sociedade Brasileira de Zootecnia, Brasilia, Brazil.

15. Burns, J.C., and **L.E. Sollenberger**. 2001. The conduct of grazing trials: Measurements explaining why animal response differences occur. p. 18-24. *In* D. Lang (ed.) Proc. 56<sup>th</sup> Southern Pasture Forage Crop Improvement Conf., 21-22 Apr. 2001, Springdale, AR.
16. **Sollenberger, L.E.**, and J.C. Burns. 2001. Canopy characteristics, ingestive behaviour, and herbage intake in cultivated tropical grasslands. p. 321-327. *In* J.A. Gomide et al. (ed.) Proc. Int. Grassl. Cong., 19<sup>th</sup>, São Pedro, Brazil, 10-21 Feb. 2001. Brazilian Society of Animal Husbandry, Piracicaba, Brazil.
17. **Sollenberger, L.E.**, and J.C. Burns. 2001. The conduct of grazing trials: Rationale, treatment selection, and basic measurements. p. 25-30. *In* D. Lang (ed.) Proc. 56<sup>th</sup> Southern Pasture Forage Crop Improvement Conf., Springdale, AR. 21-22 Apr. 2001. Agronomy Dep., Mississippi State Univ., Starkeville.
18. **Sollenberger, L.E.**, C.G. Pedreira<sup>g</sup>, P. Mislevy, and I.F. Andrade<sup>f</sup>. 1995. New *Cynodon* forages for the subtropics and tropics. p. 22-26. *In* Proc. Int. Conf. on Livestock in the Tropics. University of Florida, Gainesville.
19. **Sollenberger, L.E.** 1992. Options for improving forage quality in tropical pasture systems. p. 25-52. *In* Proc. Technology Transfer to Latin America Conf., College Station, TX, 18-21 Aug. 1992. Office of Mexican and Latin American Programs, College Station.
20. **Sollenberger, L.E.** 1992. Management considerations for subtropical pastures. p. 59-65. *In* Claves para una ganaderia exitosa en zonas subtropicales. Corrientes, Argentina, 15 Oct. 1992, Organizacion Internacional Agropecuaria, Buenos Aires, Argentina.
21. **Sollenberger, L.E.** 1992. Pasture species adapted to subtropical regions. p. 34-40. *In* Claves para una ganaderia exitosa en zonas subtropicales. Corrientes, Argentina, 15 Oct. 1992, Organizacion Internacional Agropecuaria, Buenos Aires, Argentina.
22. **Sollenberger, L.E.** 1992. Production and utilization of limpgrass in the tropics. p. 15-19. *In* Claves para una ganaderia exitosa en zonas subtropicales. Corrientes, Argentina, 15 Oct. 1992, Organizacion Internacional Agropecuaria, Buenos Aires, Argentina.
23. Moore, J.E., and **L.E. Sollenberger**. 1986. Canopy structure effects on ingestive behavior. p. 53-57. *In* Proc. 42<sup>nd</sup> Southern Pasture and Forage Crop Improvement Conference. Athens, GA, 15-16 Apr. 1986. USDA-ARS, Watkinsville, GA.
24. Quesenberry, K.H., **L.E. Sollenberger**, and K.A. Albrecht. 1986. Breeding, selection, agronomic, and grazing evaluation of tropical legumes. p. 152-58. *In* Proc. 1986 Symposium on Tropical/Subtropical Agriculture Research. Inst. Food Agric. Sci., Univ. of Fla., Gainesville, FL.

25. Moore, J.E., **L.E. Sollenberger**, G.A. Morantes, and P.T. Beede. 1986. Canopy structure of *Aeschynomene americana*-*Hemarthria altissima* pastures and ingestive behavior of cattle. p. 1126-1128. *In* T. Okubo and M. Shiyomi (eds.) Proc. Int. Grassl. Cong., 15<sup>th</sup>, Kyoto, Japan. 24-31 Aug. 1985. The Science Council of Japan/The Japanese Soc. of Grassl. Sci., Natl. Grassl. Res. Inst., Nishi-nasuno, Tochigi-Ken, Japan.