**Stephen F. Enloe**

***Extension Weed Specialist and Associate Professor***

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**EDUCATION**

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| **Institution** | **Degree** | **Major** | **Completion Date** |
| University of California, Davis | Ph.D. | Plant Biology | May 2002 |
| Colorado State University | M.S. | Weed Science | Dec 1997 |
| North Carolina State University | B.S. | Agronomy | May 1994 |

**PROFESSIONAL APPOINTMENTS**

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| **Institution** | **Title** | **Appointment** | **Dates** |
| University of Florida | Associate Professor | 60% Ext, 40% Res | January 2015-present |
| Auburn University | Associate Professor | 75% Ext, 25% Res | 2011-2014 |
| Auburn University | Assistant Professor | 75% Ext, 25% Res | 2008-2011 |
| University of Wyoming | Assistant Professor | 75% Ext, 25% Res | 2003-2008 |
| USDA-ARS | Post-Doctoral Researcher | 100% Res | 2002-2003 |

**Relevant Publications**

1. Iannone BV III, S Carnevale, M Main, JE Hill, JB McConnell, SA Johnson, SF Enloe, M Andreu, EC Bell, JP Cuda, and SM Baker (2020) Invasive species terminology: standardizing for stakeholder education. Journal of Extension 58:3A3 https://www.joe.org/joe/2020june/a3.php

2. Quincy KG, Enloe SF (2020) Evaluation of fluazifop-p-butyl and sethoxydim for *Hymenachne amplexicaulis* control in mixed and monotypic emergent plant communities. Journal of Aquatic Plant Management 58:36-40.

3. Enloe SF, Prince C, Banu AG, Lauer, DK (2020) The influence of fluctuating water depth on herbicide efficacy for Uruguayan water primrose (*Ludwigia hexapetala*) control. Journal of Aquatic Plant Management 58:118-122.

4. Enloe S, Leary J, Prince C, Lauer D (2020). Brazilian peppertree and mangrove species response to foliar applied novel auxin-type herbicides. Invasive Plant Science and Management 13:102-107.

5. Cristan Rp, Minogue P, Enloe S, Sellers B, Osiecka A. (2019) Selective herbicides for control of hen’s eyes (*Ardisia crenata*) in forests and natural areas. Invasive Plant Science and Management 12:229-235.

6. Prince CMg, Quincy KHG, Enloe SF, Possley J, Leary J. (2019) Cut Stem Treatments Using Graminicides for Burma Reed (*Neyraudia reynaudiana*) Invasions in Pine Rocklands, South Florida, USA. Invasive Plant Science and Management 12:236-241.

7. Prince CMg, Quincy KG, Enloe SF, MacDonald GE, and Netherland MD (2019) Torpedograss response to herbicide treatment in saturated and flooded conditions. Journal of Aquatic Plant Management 57:23-27.

8. Enloe SF, Netherland MD, Lauer DK (2018a) Evaluation of sethoxydim for torpedograss control in aquatic and wetland sites. Journal of Aquatic Plant Management 56:93-100.

9. Enloe SF, O’Sullivan SEG, Loewenstein NJ, Brantley E, Lauer, DK (2018b) The influence of treatment timing and shrub size on Chinese Privet (*Ligustrum sinense* Lour.) control with cut stump herbicide treatments in the southeastern US. Invasive Plant Science and Management 11:49-55.

10. Enloe SF, Lucardi RD, Loewenstein NJ, Lauer DK (2018c) Response of twelve Florida cogongrass (*Imperata cylindrica*) populations to herbicide treatment. Invasive Plant Science and Management 11:82-88.

12. Enloe SF, Netherland MD, Lauer DK (2018) Can low rates of imazapyr or glyphosate improve graminicide activity on torpedograss? Journal of Aquatic Plant Management 56: 13–17.

14. Enloe SF, Netherland MD (2017) Evaluation of three grass-specific herbicides on torpedograss (*Panicum repens*) and seven non-target, native aquatic plants Journal of Aquatic Plant Management 55:65-70.

15. Enloe SF, Lauer DK (2017) Uruguay waterprimrose control with herbicides. Journal of Aquatic Plant Management 55:71-75.

16. Enloe SF, O’Sullivan SEG, Loewenstein NJ, Lauer DK (2016) Triclopyr Application Timing and Concentration Influence Low Volume Basal Bark Efficacy on Chinese Privet (*Ligustrum sinense*). Invasive Plant science and Management 9:235-241.

17. Enloe SF, Lauer DK (2016) Seasonal Variation in Macartney Rose (*Rosa bracteata*) Response to Herbicide Treatment. Weed Technology 30:758-764.

18. Enloe SF, Loewenstein NJ, Streett D, Lauer DK (2015) Herbicide Treatment and Application Method Influence Root Sprouting in Chinese Tallowtree (*Triadica sebifera*). Invasive Plant Science and Management 8:160-168.

21. AulakhG JS, SF Enloe, NJ Loewenstein, AJ Price, G Wehtje, and JH Miller. 2014. Pushing Towards Cogongrass Patch Eradication: The Influence of Herbicide Treatment and Application Timing on Cogongrass Rhizome Elimination. Invasive Plant Science and Management 7:398-407.

22. Enloe, SF, J Johnson, M Renz, H Dorough, and K Tucker. 2014. Hairy buttercup control and white clover tolerance to pasture herbicides. Forage and Grazinglands 12: 5 pp. doi:10.2134/FG-2013-0013-RS.

23. Spencer, DF, SF Enloe, MJ Pitcairn, and JM DiTomaso. 2014. Impacts of mowing and bud destruction on *Centaurea solstitialis* growth, flowering, root dynamics, and soil moisture. Weed Research 54(2):140-150.

24. Enloe, SF, NJ Loewenstein, DW Held, LG Eckhardt, and DK Lauer. 2013. Impacts of prescribed fire, glyphosate, and seeding on cogongrass, species richness, and species diversity in longleaf pine. Invasive Plant Science and Management 6:536-544.

25. Wehtje, G and SF Enloe. 2013. Effect of annual grass cohort age and clipping on herbicide efficacy. Weed Technology 27(4):752-756.

26. Gasch, CKG, SF Enloe, P Stahl, and S Williams. 2013. An aboveground-belowground assessment of ecosystem properties associated with exotic annual brome invasion. Biology and Fertility of Soils. DOI 10.1007/s00374-013-0790-x.

27. Enloe, SF, WN Kline, JS AulakhG, RK BethkeG, JB Gladney and DK Lauer. 2013. Macartney rose (*Rosa bracteata*) response to herbicide and mowing treatments. Invasive Plant Science and Management 6:260-267.

28. Aulakh, JSG, AJ Price, SF Enloe, G Wehtje and M Patterson. 2013. Integrated Palmer amaranth management in glufosinate-resistant cotton: II. Primary, secondary and conservation tillage. Agronomy 3(1):28-42. Doi:10.3390/agronomy3010028

29. Aulakh, JSG, AJ Price, SF Enloe, Wehtje, E van Santen and M Patterson. 2012. Integrated Palmer Amaranth Management in Glufosinate-Resistant Cotton: I. Tillage System, High-Residue Cover Crops and Herbicide Management. Agronomy 2(4):295-311. Doi:10.3390/agronomy/2040295.

30. Enloe, SF, J Belcher, N Lowenstein, JS AulakhG and E van Santen. 2012. Cogongrass Control with Aminocyclopyrachlor in Pastures. Forage and Grazinglands. Doi: 10.1094/FG-2012-0828-02-RS.

31. Enloe, SF, H Dorough, JT Ducar and JS AulakhG. 2012. Little Barley Control with Herbicides in Dormant Bermudagrass Hayfields. Forage and Grazinglands. Doi: 10.1094/FG-2012-0828-01-RS.

32. Gasch, CKG, TR Collier, SF Enloe, & SD Prager. 2011. A GIS-based method for the analysis of digital rhizotron images. Plant Root 5:69-78. doi:10.3117/plantroot.5.69

33. Minogue, PJ, SF Enloe, A Osiecka, and DK Lauer. 2011. Comparison of aminocyclopyrachlor to common herbicides for kudzu (*Pueraria montana*) management. Invasive Plant Science and Management 4:419-426.

34. Spencer, D, SF Enloe, P Liow, G Ksander, and R Carruthers. 2011. Does superior competitive ability explain yellow starthistle's successful invasion of California grasslands? Invasive Plant Science and Management 4:284-295.

35. Balkcom, K, JM Masseyg, JA Mosjidis, AJ Price and SF Enloe. 2011. Planting Date and Seeding Rate Effects on Sunn Hemp Biomass and Nitrogen Production for a Winter Cover Crop. International Journal of Agronomy. Article ID 237510, 8 p.

36. LaFantasie, JJG and SF Enloe. 2011. Competitive ability of black henbane (*Hyoscyamus niger*) when grown with three native grasses. Invasive Plant Science and Management 4:159-165.

37. Sbatella, GMp, RG Wilson, SF Enloe and C Hicks. 2011. Propoxycarbazone- sodium and imazapic effects on Downy Brome (*Bromus tectorum*) and newly seeded perennial grasses. Invasive Plant Science and Management 4:78-86.

38. Enloe, SF and A Kniss. 2009. Influence of diflufenzopyr addition to picolinic acid herbicides for Russian knapweed (*Acroptilon repens*) control. Weed Technology 23:450-454.

39. Enloe, SF, A Kniss, M Ferrell, J LaFantasie, and S Aagard. 2009. Black greasewood (*Sarcobatus vermiculatus*), gray rabbitbrush (*Ericameria nauseosa*), and perennial grass response to chlorsulfuron and metsulfuron. Invasive Plant Science and Management 2:247-252.

40. Enloe, SF and AK Kniss. 2009. Does a diflufenzopyr plus dicamba premix synergize Russian knapweed (*Acroptilon repens*) with auxinic herbicides? Invasive Plant Science and Management 2:318-323.

41. Enloe, SF, GB Kyser, SA Dewey, VF Peterson, and JM DiTomaso 2008. Russian knapweed (*Acroptilon repens*) control with low rates of aminopyralid in range and pasture. Invasive Plant Science and Management 1:385-389.

42. Gunderson, Sg, D Paulson and SF Enloe. 2008. A case study of the Estes Valley Weed Management Area. Invasive Plant Science and Management 1:91-97.

43. Brasher, Jp, SF Enloe, A Peterson, A Currah, and B Nelson. 2007. Noteworthy Collections: Wyoming and Colorado. Madroño 54(2): 210–211.

44. Collier, TR, SF Enloe, JK Sciegienka, and FD Menalled. 2007. Combined impacts of *Ceutorhynchus litura* and herbicide treatments for Canada thistle suppression. Biological Control 43:231-236.

45. Enloe, SF, RG Lym, R Wilson, P Westra, S Nissen, G Beck, M Moechnig, V Peterson, R Masters, and M Halstvedt. 2007. Canada thistle (*Cirsium arvense*) control with aminopyralid in range, pasture, and non-crop areas. Weed Technology 21:890-894.

**Educational Programs**

Dr. Enloe has given over 315 educational programs in the last 10 years and over 500 programs in his career. In the last 10 years, these have reached *over 22,000 people* from a wide range of local, state, regional, and national audiences. It is important to note that Invasive plant audiences go beyond traditional extension audiences and clientele include a broad swath of natural area land managers, aquatic managers, local municipalities, State, and Federal agency personnel, along with extension agents, cattleman, foresters, and farmers.

**Traditional Extension Publications and Communications**

Dr. Enloe has coauthored *over 80 extension publications* (50 extension bulletins and fact sheets and over 30 magazine articles) over the last decade and produced well over 100 PowerPoint presentations, which he freely shares with extension clientele. It is noteworthy that most of these have strong regional significance and address upland and aquatic invasive plant problems and forest and pasture weed issues relevant to the southeastern United States.

**Extension Efforts via the World Wide Web and Media**

From 2015 to 2017, Dr. Enloe’s UF IFAS Extension fact sheets and bulletins, which focus on aquatic and upland invasive plants, have garnered *over 235,000 views online*. Dr. Enloe has also actively contributed to the UF Center for Aquatic and Invasive Plants website ([www.plants.ifas.ufl.edu).](http://www.plants.ifas.ufl.edu).Much) Much of his content is in the form of herbicide recommendations for over 140 invasive plants in upland and aquatic systems.

**Research**

Dr. Enloe has published over 50 peer reviewed journal articles in his career, averaging 2.3 articles per year. Much of this work is applied and has been a strong foundation for his extension program.

**Grants**

Dr. Enloe has successfully *garnered over $2,000,000 in extramural funding* over the last 10 years. His funding sources have varied greatly, from Federal and State sources to private industry. Approximately 40% of his grants have had significant extension/education/technology transfer components including USDA NIFA-$494,000, US Army Corp of Engineers ($60,000), USDA Southern Region IPM ($30,000), South Florida Water Management District ($139,000), and Florida Fish and Wildlife Conservation Commission ($200,000).

**Graduate Students Trained**

Dr. Enloe has served as Chair or Co-chair of *11 total* MS and PhD students and served on an additional *10 total* MS and PhD committees in his career. Over the last 10 years, these students have a placed in the top three finishers for oral and poster presentation awards nine separate times at annual meetings of the Southern Weed Science Society, Aquatic Plant Management Society, Florida Weed Science Society, and Florida Exotic Pest Plant Council.

**Activities in Professional Societies**

Over the last decade, Dr. Enloe has been a leader in invasive and exotic plant societies and contributed strongly to the WSSA and SWSS. He has contributed *over 70 abstracts* to professional society annual meetings in the last decade. Dr. Enloe has also served as a reviewer for all three WSSA journals and has served as an Associate Editor for IPSM for two terms. He has held multiple Society offices including President of the Southeast Exotic Pest Plant Council, President of the Alabama Invasive Plant Council, and he currently serves on the board of Directors for the Florida Weed Science Society.

**Academic Service and Leadership**

Dr. Enloe has served in several academic service roles over the last decade as either a chair or member including UF Faculty Senate, the UF IFAS Invasive Species Council, UF IFAS Invasive Plant Working Group, numerous Faculty search committees at UF and Auburn, the Graduate Student curriculum committee, (Auburn), the Graduate Student Admissions Committee (UF), and Graduation Marshall (UF and Auburn). Almost all of these committees have been devoted to improving the educational experience for graduate students at UF and Auburn. Dr. Enloe has actively served in other professional roles for the States he has worked in, including roles on State Pesticide Review committees for Alabama and Florida, Noxious Weed Review Committees, and the Alabama Cogongrass Task Force.

**Awards**

Dr. Enloe received the Weed Science Society of America Extension Award in 2019 and the Southern Weed Science Society Outstanding Educator Award in 2020. Additionally, he has won five educational awards through the National Association of County Agricultural Agents (NACAA) and the Alabama Association of county agents and Specialists (AACAS).