Curriculum Vitae

Brent A. Sellers

## **EDUCATION**

## **Doctor of Philosophy,** Advisor: Dr. Reid Smeda

## Agronomy, University of Missouri-Columbia May 2003

## **Master of Science,** Advisor: Dr. Michael Hickman

## Botany and Plant Pathology-Weed Science, Purdue University December 1999

## **Bachelor of Science**

## Biology, Purdue University May 1995

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## **PROFESSIONAL EXPERIENCE**

## **Professor and Director**, Extension Weed Specialist, 25:25% E:R,

Range Cattle Research and Education Center, University of Florida 2020 –

## **Professor and Interim Director**, Extension Weed Specialist, 25:25% E:R,

## Range Cattle Research and Education Center, University of Florida 2019 – 2020

## **Professor**, Extension Weed Specialist, 60:40% E:R, Associate Center Director

Range Cattle Research and Education Center, University of Florida 2017 – 2019

## **Associate Professor**, Extension Weed Specialist, 60:40% E:R

Range Cattle Research and Education Center, University of Florida 2011 – 2017

## **Assistant Professor**, Extension Weed Specialist, 60:40% E:R

## Range Cattle Research and Education Center, University of Florida 2004 – 2011

## **Post-Doctoral Fellow**, Advisor: Dr. Reid Smeda

## Agronomy, University of Missouri-Columbia 2003 – 2004

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**Extramural funding**

**B. A. Sellers**. Habitat Management for the Florida Grasshopper Sparrow at the DeLuca Preserve. USFWS. **2021-2022, $20,000.**

**B. A. Sellers** and P. Devkota. Utility of Liquid Nitrogen Fertilizer and Soil Surfactants for Smutgrass Control with Hexazinone. FCEB. **2021-2022, $47,593.**

**B. A. Sellers** and M. Silveira. Impact of Individual Macronutrients on Broomsedge Density in Bahiagrass Pastures. FCEB. **2021-2022, $16,948.**

**B. A. Sellers** and M. Silveira. Increasing Soil Fertility to Manage Broomsedge in Pastures*.* FCEB. **2018-2019, $28,511.**

**B. A. Sellers,** J.L.C.S. Dias, and J.A. Ferrell. Optimizing Herbicide Rates for Wiping Smutgrass and Impacts of Rainfall and Non-structural Carbohydrates on Smutgrass Control. FCEB. **2018-2019, $22,259.**

**B. A. Sellers.** Using a roto-wiper to selectively control smutgrass species in improved grass pastures. USDA-NRCS. **2017-2019, $68,269.**

**B. A. Sellers** and M. Silveira. Increasing Soil Fertility to Manage Broomsedge in Pastures*.* FCEB. **2017-2018, $25,095.**

**B. A. Sellers,** J.L.C.S. Dias, and J.A. Ferrell. Optimizing Herbicide Rates for Wiping Smutgrass and Impacts of Rainfall and Non-structural Carbohydrates on Smutgrass Control. FCEB. **2017-2018, $20,158.**

**B. A. Sellers** and P. A. Lancaster. Developing Integrated Management Practices for Smutgrass Control Using Fire, Grazing, and Herbicide. USDA-NIFA-CARES. **2015-2018, $149,399.**

##### Professional Memberships

Weed Science Society of America, 1997-present

Southern Weed Science Society, 2005-present

Florida Cattlemen’s Association, 2005-present

American Society of Agronomy, 2003-present

Crop Science Society of America, 2003-present

##### Awards and Honors

USFWS Regional Director’s Honor Award, 2021

Sadler Distinguished Extension Professional Enhancement Award, 2014

Florida Weed Science Society, Outstanding Weed Scientist, 2012

Florida Cattlemen’s Association, Researcher of the Year, 2010

Florida Association of County Agricultural Agent, Outstanding Specialist, 2010

Dallas Townshend Extension Professional Enhancement Award, 2010

Florida Association of Extension 4-H Agents, Communicator Award, 2009

**SELECTED Publications**

Dias, J.L.C.S. and **B.A. Sellers.** 2020. Control of Nuttall’s thistle in perennial grass pastures. Crop, Forage & Turfgrass Mgmt. 6:e20066. <https://doi.org/10.1002/cft2.20066>.

Gordon, D.A.R., M. Coenders-Gerrits, **B.A. Sellers**, S.M. Moein Sadeghi, and J.T. Van Stann II. 2020. Rainfall interception and redistribution by a common North American understory and pasture ford, *Eupatorium capillifolium* (Lam. dogfennel). Hydrol. Earth Syst. Sci. 24:4587-4599.

Dias, J.L.C.S., **B.A. Sellers**, J.A. Ferrell, M.L.A. Silveira, J.M.B. Vendramini. 2018. Herbage response to dogfennel cover and limited nitrogen fertilization in bahiagrass pastures. Agronomy J. 110:2507-2512*.*

Prince, C.M., G.E. MacDonald, J.A. Ferrell, **B.A. Sellers,** and J. Wang. 2018. Impact of soil pH on cogongrass (*Imperata cylindrica*) and bahiagrass (*Paspalum notatum*) competition. Weed Technol. 32:336-341.

Lastinger, C.A., J.L.C.S. Dias, **B.A. Sellers**, J.A. Ferrell, M.L. Silveira, and J.M.B. Vendramini. 2017. Limpograss (*Hemarthria altissima*) tolerance to hexazinone. Weed Technol. 31:682-688.

Rana, N., **B. A. Sellers**, J. A. Ferrell, G. E. MacDonald, M. L. Silveira, and J. M. Vendramini. 2015. Integrated management techniques for long-term control of giant smutgrass (*Sporobolus indicus* var. *pyramidalis*) in bahiagrass pasture in Florida. Weed Technol. 29:570-577.