**Nathan A. Slaton** (**Career Vitae**)

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**Education:**

1995 - 1998 **University of Arkansas** - Fayetteville, AR. Doctor of Philosophy in Agronomy

1986 - 1989 **University of Arkansas** - Fayetteville, AR. Master of Science in Agronomy

1982 – 1986 **Murray State University -** Murray, KY. Bachelor of Science in Agronomy

**Professional Positions:**

2016-Present **University of Arkansas Agricultural Experiment Stn** - Fayetteville, AR

*Professor & Agricultural Experiment Stn Assistant Director of Analytical Services (55% Research, 35% Administration, & 10% Service)*

2008-2015 **University of Arkansas Agricultural Experiment Stn** - Fayetteville, AR

*Professor, Soil Testing (15% Teaching, 55% Research, & 30% Service)*

2004-2008 **University of Arkansas Agricultural Experiment Stn** - Fayetteville, AR

*Associate Professor, Soil Testing (20% Teaching, 50% Research, & 30% Service)*

2001-2004 **University of Arkansas Agricultural Experiment Stn** - Fayetteville, AR

*Assistant Professor, Soil Testing (20% Teaching, 50% Research & 30% Service)*

1998-2001 **University of Arkansas Cooperative Extension Service** - Stuttgart, AR

*Extension Agronomist - Rice (100% Extension)*

1990-1998 **University of Arkansas Cooperative Extension Service** - Stuttgart, AR

*Area Extension Agronomist - Rice (100% Extension)*

1989-1990 **University of Arkansas Cooperative Extension Service -** Pine Bluff, AR

*County Extension Agent - Agriculture (100% Extension)*

**Publications:**

|  |  |  |  |
| --- | --- | --- | --- |
| Refereed Journals: | 80 | AES Articles and Reports: | +370 |
| Book Chapters: | 2 | Abstracts/Proceedings: | 260 |
| Extension Service Handbooks, Fact Sheets & Publications: | 70 | Non-refereed articles (e.g., Better Crops and proceedings) | 13 |
| **Google Scholar h-index (June 2018)** | **29** | **Google Scholar i10-index (June 2018)** | **69** |

**Presentations (since 1998):**

|  |  |  |  |
| --- | --- | --- | --- |
| County & state grower meetings & field days: | +300 | Professional meeting presentations (as primary author): | +75 |

**Research Interests**

* Correlation and calibration of soil-test based fertilizer recommendations for P, K, and Zn
* Evaluation of fertilization methods, sources and times for crop production [bermudagrass (hay), corn, rice, soybean, winter wheat]
* Determination of the N, P, & K fertilizer value of poultry litter
* Development of critical plant nutrient concentrations for monitoring plant nutrient status
* Evaluation of polymer-coated urea fertilizers for rice production
* Examination of nutrient/fertilizer and disease interactions in rice production
* Evaluation of rice cultural practices (e.g., seeding dates) on rice yield

**Service, Honors and Awards:**

* Fellow, Soil Science Society of America – 2017
* Fellow, America Society of Agronomy – 2017
* LEAD21 graduate, 2016
* John W. White Outstanding Team Award – 2015 (N-STaR team), University of Arkansas Division of Agriculture
* Technical Editor – 2014 to Present, Soil Science Society America Journal S4/S8 Divisions
* Distinguished Rice Research and Education Team Award – 2012 (Nitrogen Management), Rice Technical Working Group
* John W. White Outstanding Team Award - 2012 (Phosphorus Index Team), University of Arkansas Division of Agriculture
* Research Award of Merit – 2012, Gamma Sigma Delta
* 2012 American Society of Agronomy Certificate of Excellence for outstanding educational materials: Category Publications <16 pages (Senior author: UACES Fact Sheet 2165: Potassium Requirements and Fertilization of Rice and Irrigated Soybeans; shared award with 7 co-authors)
* Outstanding Associate Editor - 2011, Soil Science Society of America Journal
* Extension Excellence Issue Team Award - 2008, Awarded by the University of Arkansas Cooperative Extension Service for Implementation of new lime and fertilizer recommendations
* Robert E. Wagner Young Scientist Award - 2006, Awarded by the Potash and Phosphate Institute
* John W. White Outstanding Team Award - 2004 (Rice Management Team), University of Arkansas Division of Agriculture
* Early Career Award in Technology Transfer - 2003, Southern Branch American Society of Agronomy
* Certified Crop Advisor Exam Committee Chair (AR, LA, and MS), 2011-present
* Associate Editor – 2009 to 2013, Soil Science Society America Journal S8 Division
* Southern Branch American Society of Agronomy, Secretary (2006-07), Vice President/Program Chair (2007-08), President (2008-09), and Past-President (2009-10)
* Southern Association of Agricultural Scientists Executive Committee, 2007-2009
* Soil Science Society of America S877 Soil & Plant Analysis Committee (Chair, 2005)
* Rice Technical Working Group, Acreage Committee (1996-2000), Executive Committee (2000-2002), Rice Culture Division Chair (2011-12), and member since 1988
* Soil and Plant Analysis Council, Executive Board member (2001-2004)
* Rice Journal, Editorial Board, Extension Representative 2000-2001
* Editor Wayne E. Sabbe Arkansas Soil Fertility Studies (UA Agricultural Experiment Station Research Series), 2001 to present
* Steering Committee Cotton & Rice Conservation Tillage Conference Sponsored by MidAmerica Farmer/Grower, 1998-2001
* Southern Extension and Research Activity Information Exchange Group 6, member
* Certified Crop Advisor (Arkansas and National Certification), 1994 to present
* Arkansas Plant Food Association, Vice President 2011 & President 2012
* Gamma Sigma Delta, member

**Teaching & Advising:**

* Taught CSES 4224 and CSES 4220L (Soil Fertility), Fall semesters 2002-2013
* Taught AGRN 504V (Rice Production), Spring 1999 at Rice Research & Extension Center
* Taught CSES 4224 using distant education technologies 2002, 2004, 2009 and 2010
* Thesis/Dissertation advisor for graduate students who completed a non-thesis Master of Science degree (1, MS-Agriculture, Food, and Life Sciences), Master of Science degree (10, MS-CSES), 2 Ph.D., and 3 current students (3 Master of Science degree)
* Served on 21 M.S. (14 thesis) and 11 Ph.D. graduate student advisory committees since 1998
* Graduate students have received 12 awards in oral speaking competitions (10) or photography of nutrient deficient crops contests (2)