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Adriane Lee Elliott

Education **September 2001- May 2004** – Colorado State University, Ft. Collins, CO 80523
* **M.S. in Soil Science**
* M.S. Research focus: Impact of Organic Phosphorus Sources on Phosphorus Runoff
September 1993- August 1997 – Texas Christian University, Fort Worth, TX
* **B.A. in Sociology**

Work Experience **October 2004- present** – Colorado State University Research Associate, Soil & Crop Science Dept., Coordinator for the Organic Agriculture Program
Supervisor: Dr. Jessica Davis (970) 491-1913

- Coordinate Interdisciplinary Program in Organic Agriculture
- Develop, coordinate and facilitate the annual Rocky Mountain Compost School at Colorado State University annually
- Recruit and advise students
- Author grant proposals for research projects
- Conduct literature reviews for current research and grant proposals
- Design research projects and objectives
- Conduct field and lab work related to environmental impact of agriculture on soil quality
- Develop and implement extension workshops on nutrient management, composting, and water quality for farmers, ranchers, USDA employees, and CSU employees
- Answer extension questions from county extension agents regarding nutrient management and organic certification best practices
- Organize work plans for CSU student-hourly
- Publish research results as University Fact Sheets or in refereed scientific journals
- Present research results at annual scientific meetings and statewide meetings

February 2004- October 2004 – United States Department of Agriculture- Natural Resource Conservation Service Soil Conservationist, Fort Morgan Field Office
Supervisor: C.W. Scott (970) 867-8568 x 113

- Produce farm and ranch conservation plans for Morgan county
- Write Environmental Quality Incentive Program (EQIP) contracts
- Certify contracted practice installations: augmentation ponds, center-pivots, irrigation pipelines, conservation tillage, residue management, range seeding, tree plantings
- Communicate with producers about water conservation and incentive opportunities
- Maintain producer data records
- Create soil maps for producers and other community entities

August 2001- May 2004 – CSU Graduate Research Assistant

Supervisor: Dr. Jessica Davis (970) 491-1913

- Review journals for related research
- Generate research design
- Measure and lay out field plots
- Soil sample with manual and mechanical implements
- Calibrate equipment (manure spreader, seeder)
- Organize field crew
- Process field samples and analyze for nutrient content (Olsen phosphorus (P)), Mehlich 3 P, Ortho P, Total Dissolved P, Dissolved Inorganic P, Plant tissue P, Water Soluble-N, -P, and -K, pH, and soil texture.
- Analyze data using Statistical Analysis Systems (SAS)
- Organize information and author thesis

Other

Experience/

Awards

- *Certificate of Excellence – American Society of Agronomy, received for poster entitled “Extension’s role in ammonia emissions reduction from agriculture”- 2007
- *Graduate Student Award – Soil Science Society of America Division 6 award in the area of Soil and Water Management- 2004
- * Hunter Fowlett Graduate Student Award for graduate students showing a promising future in outreach and education- 2003
- * Induction into Sigma Xi, the Scientific Research Honor Society for academic achievement – 2002 to current
- * CSU Center for Teaching and Learning Award for providing experiential learning opportunities to students on CSU campus in sustainability – 2001
- * Ft. Collins Soil Conservation District Scholarship for a student showing academic achievement in soil conservation – 2000 and 2001

Courses

Taught

Principles and Practices of Composting (SOCR 345)
Environmental Issues in Agriculture – co-teach (SOCR/HORT 171)
Topics in Organic Agriculture – co-teach (SOCR/HORT 424)
Diagnosis and Treatment in Organic Fields (SOCR 345)
Rocky Mountain Compost School – co-teach, a weeklong program for Large-scale composters

Publications

- Elliott, A.L., N.M. Marcillac, J.G. Davis, J.G. Pritchett, C.E. Stewart, and A.L. Minkl. 2007. Best management practices (BMPs) for ammonia emissions reduction from animal feeding operations: a Colorado case study. Western Nutrient Management Conference. 2007. Vol. 7. Salt Lake City, UT. 124-129.
- Elliott, A.L., J.G. Davis, and K.C. Doesken. 2007. Odor emissions from confined hog operations. American Society of Agricultural and Biological Engineers 2007.
- Elliott, A.L., J.G. Davis, R.M. Waskom, D.K. Christensen, and J.R. Self. Phosphorus Fertilizers for Organic Farming Systems. Colorado State University Cooperative Extension Factsheet. 2005.

- Elliott, A.E., J.G. Davis, R.M. Waskom, D.K. Christensen. Impact of Organic Phosphorus Sources on Phosphorus Runoff. Thesis. Colorado State University. 2004.