

CURRICULUM VITAE

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EDUCATION

BS, UNIV OF ARIZONA

MS, UNIV OF ARIZONA

Ph D, COLO STATE UNIV

ACADEMIC POSITIONS

August 15, 2015 - July 1, 2019 Associate Dean for Academic Programs, College of Agricultural Sciences.

OTHER POSITIONS

2001 - Present Distinguished Teaching Scholar, Colorado State University.

1987 - Present Professor, Colorado State University.

January 1, 2014 - December 31, 2016 Editor, American Society of Agronomy.

January 1, 2013 - December 31, 2013 Past President, American Society of Agronomy.

2012 President, American Society of Agronomy.

1998 - 2012 Associate Department Head, Colorado State University.

2011 President Elect, American Society of Agronomy.

1997 - 1998 Interim Head, Colorado State University.

1995 - 1997 Associate Department Head, Colorado State University.

1994 - 1995 Acting Head, Colorado State University.

Department Chairperson

(August 15, 2015 - July 1, 2016) Associate Dean, College

PUBLISHED WORKS

Books

Laboratory Manual for Introductory Soil Science. Tenth Edition Pearson Publishing Co, Boston, MA Previous editions 1981, 1983, 1984, 1991, 1994, 1996, 1999, 2003, 2007).

Laboratory Manual for Introductory Soil Science. Tenth Edition Also in 1981, 1983, 1984, 1991, 1994, 1996, 1999, 2003, 2007 Pearson Publishing Co, Boston, MA.

Laboratory Manual for Introductory Soil Science. Ninth Edition Pearson Publishing Co, Boston, MA (Previous 1981, 1983, 1984, 1991, 1994, 1996, 1999, 2003).

Lecture Notes for Introductory Soil Science. Ninth Edition Pearson Publishing Co, Boston, MA (Previous editions 1981, 1984, 1989, 1991, 1993, 1997, 2000, 2004).

Lecture Notes for Introductory Soil Science. Ninth Edition Pearson Publishing Co, Boston, MA (Previous editions 1981, 1984, 1989, 1991, 1993, 1997, 2000, 2004).

Lecture Notes for Introductory Soil Science. Ninth Edition Pearson Publishing Co, Boston, MA Also in 1981, 1984, 1989, 1991, 1993, 1997, 2000, 2004.

Soil Fertility Laboratory Manual. University of Hawaii - Manoa.

Refereed Journal Articles

A new Nitrogen Index to evaluate nitrogen losses in intensive forage systems in Mexico. *J Agric Ecosys Environ*, 142, 352-364.

A Note-Taking Strategy for Introduction Soil Science Lectures. *Nacta J*, 29, 73-74.

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Biosolids affect soil barium in a dryland wheat agroecosystem. *J Environ Qual*, 35, 2333-2341.

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Biosolids Effect on Phosphorus, Copper, Zinc, Nickel, and Molybdenum Concentrations in Dryland Wheat. *J Environ Qual*, 24, 608-611.

Biosolids effects on microbial activity in shrubland and grassland soils. *Soil Sci*, 169, 176-187.

Biosolids impact soil phosphorus accountability, fractionation, and potential environmental risk. *J Environ Qual*, 36, 764-772.

Co-application effects of water treatment residuals and biosolids on two range grasses. *J Environ Qual*, 28, 1644-1650.

Collecting and preparing micro, miniature, and macro soil profiles. *J Agron Educ*, 5, 16-Sep.

Combinations of water treatment residuals and biosolids affect two range grasses. *Commun Soil Sci Plan*, 33, 831-844.

Computer assisted learning in Introductory Soil Science. *J Agron Educ*, 14, 77-80.

Continuous biosolids application affects grain elemental concentrations in a dryland-wheat agroecosystem. *Agr Ecosyst Environ*, 129, 340-343.

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McDaniel, J. P., Butters, G., Barbarick, K. A., Stromberger, M. E. (2015). Effects of *Aporrectodea caliginosa* on soil hydraulic properties and solute dispersivity. *Soil Science Society of America Journal*, 79, 838-847.

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Sommers, L. E., Barbarick, K. A. (1986). Constraints to land application of sewage sludge. *Utilization, Treatment, and Disposal of Waste on Land* (pp. 193-216). Amer Soc Agron: Utilization, Treatment, and Disposal of Waste on Land.

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Barbarick, K. A., McDaniel, J. P. (2015). Uptake Coefficients for Biosolids-Amended Dryland Winter Wheat. *J. Environ. Qual.*, 44, 286-292.

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A simple C/N assay for Introductory Soil Science. American Society of Agronomy Madison, WI.

A system to release nutrients through ion exchange: NH₄-zeolite-phosphate rock (pp. 205). Agronomy Abstracts.

Agricultural and industrial applications of zeolites (pp. 305). Agronomy Abstracts.

Alum sludge and biosolids co-application: Metal uptake by roots/shoots of western wheatgrass (pp. 35). Agron Abstracts American Society of Agronomy Madison, WI.

Amendment effects on pH and salt content of bauxite residue. Agronomy Abstracts American Society of Agronomy Madison, WI -Poster #141-5.

An environmental agronomy course (pp. 3). Agron Abstracts.

An evaluation of undergraduate and graduate instruction (pp. 3). Agronomy Abstracts.

An Infiltration Exercise for Introductory Soil Science. Agronomy Abstracts American Society of Agronomy Madison, WI.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR97-6.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR94-6.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR95-4.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR12-8.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR98-4.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR00-5.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR03-6.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR07-12.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR01-5.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR99-8.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR96-6.

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Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR09-3.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR04-6.

Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR11-6.

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Application of anaerobically digested biosolids to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR08-9.

Application of anaerobically digested sewage sludge to dryland wheat. Technical Report, Colorado Agricultural Experiment Station TR88-8.

Application of anaerobically digested sewage sludge to dryland wheat. Technical Report TR90-6, Colorado Agricultural Experiment Station.

Application of anaerobically digested sewage sludge to dryland wheat. Technical Report 87-10 Colorado Agricultural Experiment Station.

Application of anaerobically digested sewage sludge to dryland winter wheat. Technical Report TR89-8, Colorado Agricultural Experiment Station.

Application of anaerobically digested sewage sludge to dryland winter wheat. Colorado Agricultural Experiment Station Technical Report TR92-5.

Application of anaerobically digested sewage sludge to dryland winter wheat. Technical Report TR91-5, Colorado Agricultural Experiment Station.

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- Biosolids application to no-till dryland crop rotations.* Colorado Agricultural Experiment Station Technical Report TR07-10.
- Biosolids application to no-till dryland crop rotations.* Colorado Agricultural Experiment Station Technical Report TR06-7.
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- Characterization of sludge proteins and their degradation products* (pp. 270). Agron Abstracts.
- Co-application of alum and sewage sludge to blue grama and western wheatgrass* (pp. 36). Agron Abstracts American Society of Agronomy Madison, WI.
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November 18, 2015, "Season Dynamics of Phosphorus Fractions Under Center Pivot Irrigation", Synergy in Science: Partnering for Solutions, American Society of Agronomy, (Presenter) McDaniel, J. P.

November 12, 2015, "Season Dynamics of Phosphorus Fractions Under Center Pivot Irrigation", The Year of the

Soil, RMWEA Biosolids Committee, (Presenter) McDaniel, J. P.

April 16, 2015, "Biosolids phosphorus availability to plants and the environment", Departmental Seminar, Department Of Soil and Crop Sciences, (Presenter) McDaniel, J. P.

November 3, 2014, "Soil Phosphorus Accumulation Following 20 Years of Wheat-Fallow with Biosolids", American Society of Agronomy Annual Meetings, Abstract 94-8, American Society of Agronomy, Long Beach, CA.

November 3, 2014, "Soil Phosphorus Accumulation Following 20 Years of Wheat-Fallow with Biosolids", American Society of America Annual Meetings, Abstract 94-8, American Society of America, Long Beach, CA.

November 6, 2013, "Earthworm Affect on Chemical Leaching", American Society of Agronomy, Abstract 349-3, Tampa, FL.

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October 24, 2012, "Drought Stress Affects Earthworms in a Biosolids Amended Colorado Soil", Soil Science Society of America, Abstract 389-7, Cincinnati, OH.

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2003, "Green, C.H., K.A. Barbarick, R.E. Smith, G.L. Butters, J.G. Davis, D.M. Heil, and J.A. Ippolito. 2003. Water treatment residual and vegetative filter strip impact on phosphorus runoff. Phosphorus dynamics I the soil-plant continuum. 2nd International Symposium. Perth, Australia, September 21-26. Volunteered oral presentation."

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Chemistry and Bioavailability of waste
constituents in soils, Las Vegas, NV."

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1995, "Barbarick, K.A., J.A. Ippolito, D.G. Westfall, and R. Jepson. 1995. Eleven years of biosolids application to dryland winter wheat. pp. 2-1 to 2-8. In effects of Land Application of Biosolids in Arid and Semi-arid Environments. 16-19 May 1995, Colorado State University."

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1994, "Barbarick, K.A. 1994. Presentation to W170 Regional Research Group on Chemistry and Bioavailability of waste constituents in soils, Las Vegas, NV."

1994, "Barbarick, K.A., J.A. Ippolito, and D.G. Westfall. 1994. Fate and mineralization of biosolids N applied to dryland wheat. Agron. Abstracts. American Society of Agronomy. Madison, WI. p. 36."

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W170 Regional Research Group on
Chemistry and Bioavailability of waste
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E.F. Redente. 1993. Co-application of
alum and sewage sludge to blue grama
and western wheatgrass. Agron.
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OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD

(November 14, 2015 - November 17, 2015). Conference Attendance, "Annual Meeting," Association of Public
and Land Grant Universities, Indianapolis, IN, United States.

(November 3, 2013). Workshop, "Ninha Media Training," American Society of Agronomy, Tampa, FL, United
States.

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	AGRI587B - Internship: International	12	1
2016	Spring	SOCR240 - Introductory Soil Science	4	147
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	14
2016	Spring	SOCR240 - Introductory Soil Science - Lab	0	8
2015	Fall	SOCR240 - Introductory Soil Science	4	129
2015	Fall	SOCR240 - Introductory Soil Science - Lab	0	15
2015	Fall	SOCR240 - Introductory Soil Science - Lab	0	7
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	14
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	15
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	13
2015	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2015	Spring	SOCR240 - Introductory Soil Science	4	152
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	15
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2015	Spring	SOCR240 - Introductory Soil Science - Lab	0	13

2014	Fall	SOCR240 - Introductory Soil Science	4	141
2014	Fall	SOCR240 - Introductory Soil Science - Lab	0	14
2014	Fall	SOCR240 - Introductory Soil Science - Lab	0	8
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2014	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2014	Spring	SOCR240 - Introductory Soil Science	4	144
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2014	Spring	SOCR486 - Practicum	4	4
2013	Fall	SOCR240 - Introductory Soil Science	4	143
2013	Fall	SOCR240 - Introductory Soil Science - Lab	0	18
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	19
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	19
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2013	Fall	SOCR240L - Introductory Soil Science Lab	1	18
2013	Fall	SOCR240L - Introductory Soil Science Lab	1	18
2013	Fall	SOC321 - Soil, Environment, and Society	3	21
2013	Spring	SOCR240 - Introductory Soil Science	4	145
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	20
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	20
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	16
2012	Fall	SOCR240 - Introductory Soil Science	4	140
2012	Fall	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2012	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2012	Fall	SOC321 - Soil, Environment, and Society	3	25
2012	Fall	SOCR699 - Thesis	18	7
2012	Spring	SOCR240 - Introductory Soil Science	4	141

2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Spring	SOCR784 - Supervised College Teaching	18	4
2012	Spring	SOCR699 - Thesis	18	11
2011	Fall	SOCR240 - Introductory Soil Science	4	144
2011	Fall	SOCR240 - Introductory Soil Science - Lab	0	19
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	19
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	19
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2011	Fall	SOC321 - Soil, Environment, and Society	3	24
2011	Fall	SOCR784 - Supervised College Teaching	18	5
2011	Fall	SOCR699 - Thesis	18	9
2011	Spring	SOCR495 - Independent Study	18	4
2011	Spring	SOCR240 - Introductory Soil Science	4	139
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	15
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	15
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2011	Spring	SOCR792 - Seminar	1	6
2011	Spring	SOCR699 - Thesis	18	13
2010	Fall	SOCR240 - Introductory Soil Science	4	112
2010	Fall	SOCR240 - Introductory Soil Science - Lab	0	18
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	9
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	14
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	12
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	15
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	8
2010	Fall	SOCR792 - Seminar	1	8
2010	Fall	SOCR784 - Supervised College Teaching	18	5
2010	Spring	SOCR799 - Dissertation	18	7
2010	Spring	SOCR495 - Independent Study	18	7
2010	Spring	SOCR487 - Internship	12	4
2010	Spring	SOCR240 - Introductory Soil Science	4	142
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	15
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18

2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	19
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2010	Spring	SOCR784 - Supervised College Teaching	18	1
2009	Fall	SOCR240 - Introductory Soil Science	4	121
2009	Fall	SOCR240 - Introductory Soil Science - Lab	0	16
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	9
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	10
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	16
2009	Spring	SOCR240 - Introductory Soil Science	4	116
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	10
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	13
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	12
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	10
2008	Fall	SOCR240 - Introductory Soil Science	4	105
2008	Fall	SOCR240 - Introductory Soil Science - Lab	0	9
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	11
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	15
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	10
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	14
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	14
2008	Fall	SOC321 - Soil, Environment, and Society	3	23
2008	Spring	SOCR240 - Introductory Soil Science	4	120
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	17
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	17
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	10
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	17
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	18
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	15
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	18
2008	Spring	SOCR240 - Introductory Soil Science-Lab	0	8
2008	Spring	SOCR699 - Thesis	18	7
2007	Fall	SOCR240 - Introductory Soil Science	4	103
2007	Fall	SOCR240 - Introductory Soil Science - Lab	0	13
2007	Fall	SOCR240 - Introductory Soil Science - Lab	0	13

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Field Day

Adams County Wheat Field Days. Adult, Roggen, CO. Percent Responsible: 50%. 2015.

Adams County Wheat Field Days. Percent Responsible: 100%. 2014.

Adams County Wheat Field Days. Percent Responsible: 100%. 2013.

Biosolids application to dryland wheat. Roggen, CO. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 100%. 2012.

COMMITTEES

Associate Department Head.

University Distinguished Teaching Scholars, (May 1, 2000 - December 31, 2015).

Master Teacher Initiative, (January 1, 2004 - August 31, 2015).

Associate Department Head.

Scholarship and Awards, (January 1, 1979 - December 31, 2016).

Master Teacher Initiative, (January 1, 2004 - August 31, 2015).

Code Committee, (January 1, 2014 - December 31, 2014).

Graduate Student Grade Appeal, (October 2013 - December 2013).

Associate Department Head.

Scholarships and Awards, (January 1, 1985 - December 31, 2015).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

American Society of Agronomy.

Crop Science Society of America.

Soil Science Society of America.

Adams County Wheat Field Days.

Adams County Wheat Field Days.

Advisory Panel.

Agronomy Journal.

Alliance of Crop, Soil, Environmental Science Societies, Madison, WI.

Alliance of Crop, Soil, Environmental Science Societies, San Antonio, TX.

American Society of Agronomy.

American Society of Agronomy.

American Society of Agronomy, Madison, WI.

Associate Department Head.

Associate Department Head.

Crop Science Society of America.

Faculty Honors and Awards.

International Certified Crop Advisers.

Master Teacher Initiative Committee (TILT).

Master Teacher Initiative Coordinator.

Peterson/Westfall Lecture Series.

Committee Chair, Promotion and Tenure.

Scholarship and Awards.

Committee Chair, Scholarship and Awards.

Reviewer, Ad Hoc Reviewer, Several.

Reviewer, Ad Hoc Reviewer, Several.

Reviewer, Ad Hoc Reviewer, Several.

Soil Science Society of America.

Soil, Plant, Water Testing Lab.

TILT Mentoring of New Faculty.

TILT Task Force on Information Literacy.

University Distinguished Teaching Scholar.

Editor, Journal Editor, American Society of Agronomy. (January 1, 2014 - December 31, 2014).

Editor, Journal Editor, American Society of Agronomy. (January 1, 2014 - December 31, 2014).

Committee Member, Alliance of Soil Crop and Environmental Science Societies, Madison, WI. (January 1, 2013 - December 31, 2013).

Officer, President/Elect/Past, American Society of Agronomy, Madison, WI. (January 1, 2010 - December 31, 2013).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

For Profit Organization, Sirius Minerals, United Kingdom. (August 1, 2013 - Present).

American Society of Agronomy.
