

CURRICULUM VITAE

NAME

McDaniel, Jacob Philip

ADDRESS

1170 Campus Delivery
Plant Sciences

PHONE

(970) 491-0636

EDUCATION

2012 MS, Colorado State University

2008 BS, Colorado State University

PUBLISHED WORKS

Refereed Journal Articles

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.

(2012). Biosolids application to no-till dryland agroecosystems. *Agricultural Ecosystems and Environment*, 150, 72-81.

(2012). Survivability of Aporrectodea Caliginosa in response to drought stress in a Colorado soil. *Soil Science Society of America (in review)*.

(2012). Survival of Aporrectodeo Caliginosa and its effect on nutrient availability on biosolids in amended soil. *Applied Soil Ecology (in review)*.

Non-Refereed Journal Articles

McDaniel, J. P., Barbarick, K. A., Stromberger, M. E., Cranshaw, W. S. Survivability of Aporrectodea caliginosa in Response to Drought Stress in a Colorado Soil. *Soil Science Society of America*, 77, 1667-1672. <https://dl.sciencesocieties.org/publications/sssaj/abstracts/77/5/1667>

McDaniel, J. P., Stromberger, M. E., Barbarick, K. A., Cranshaw, W. S. Survival of Aporrectodea caliginosa and its effects on nutrient availability in biosolids amended soil. *Applied Ecology*(71), 1-6. <http://www.sciencedirect.com/science/article/pii/S0929139313001261>

Barbarick, K. A., Ippolito, J. A., McDaniel, J. P. (in press). Uptake Coefficients for Biosolids-Amended Dryland Winter Wheat. *Journal of Environmental Quality*.

(2012). *Application of Anaerobically Digested Biosolids to Dryland Winter Wheat 2010-2011 Results*. Colorado Agricultural Experiment Station Technical Report TR12-08.

(2012). *Biosolids application to no-till dryland rotations: 2010 and 2011 Results*. Colorado Agricultural Experiment Station Technical Report TR12-06.

(2012). *Implications for the Introduction of Earthworms in a Biosolids Amended Agroecosystem*. Colorado State

University, Fort Collins.

Technical Bulletin

Barbarick, K. A., Ippolito, J. A., McDaniel, J. P., Hansen, N. C., Peterson, G. A. (in press). *Regression modeling weather and biosolids effects on dryland wheat yields in eastern Colorado, 2001-2012*. Colorado Agricultural Experiment Station.

Technical Report

Barbarick, K. A., Gourd, T., McDaniel, J. P. *Application of anaerobically digested biosolids to dryland winter wheat 2011-2012 results*. Colorado Agricultural Experiment Station. <http://webdoc.agsci.colostate.edu/aes/AES/pubs/pdf/tr13-3.pdf>

Barbarick, K. A., Hansen, N. C., McDaniel, J. P. *Biosolids application to no-till dryland rotations 2012 results*. Colorado Agricultural Experiment Station. <http://webdoc.agsci.colostate.edu/aes/AES/pubs/pdf/tr13-4.pdf>

Barbarick, K. A., McDaniel, J. P. *Biosolids Application to No-Till Dryland Rotations 2013 Results* (TR14-05 ed.). Colorado Agricultural Experiment Station.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

November 3, 2014, "Low-Cost Method for Monitoring Soil Air Pressure Using Microcontroller Board", American Society of Agronomy Annual Meetings, Soil Science Society of America, (Presenter) McDaniel, J. P., Long Beach, Ca.

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.

November 6, 2013, "Earthworm effect on chemical leaching", Annual Meeting of the Soil Science Society of America, SSSA, (Presenter) McDaniel, J. P., Tampa, FL.

2012, "Drought Stress Affects Earthworms in a Biosolids Amended Colorado Soil".

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

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2014	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2013	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2013	Spring	SOCR240 - Introductory Soil Science - Lab	0	20
2012	Fall	SOCR240 - Introductory Soil Science	4	140

2012	Fall	SOCR240 - Introductory Soil Science - Lab	0	18
2012	Spring	SOCR240 - Introductory Soil Science - Lab	0	17
2011	Fall	SOCR240 - Introductory Soil Science -Lab	0	19
2011	Spring	SOCR240 - Introductory Soil Science - Lab	0	15
2010	Fall	SOCR240 - Introductory Soil Science -Lab	0	18
2010	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2009	Fall	SOCR240 - Introductory Soil Science -Lab	0	17
2009	Spring	SOCR240 - Introductory Soil Science - Lab	0	18
2008	Fall	SOCR240 - Introductory Soil Science -Lab	0	14

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Presentation

Adams County Wheat Field Day. Adams County, CO. Number of times program was made: 1. Total number of participants: 80. Percent Responsible: 1%. 2013.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Agronomy Society of America. (2006 - 2012).

Soil Science Society of America. (2006 - 2012).

88.1 KDHX. (October 22, 2013).

ASA-CSSA-SSSA, Cincinnati, OH. (2012 - Present).

Member, Agronomy Society of America. (2006 - 2012).

Member, Soil Science Society of America. (2006 - 2012).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Member, Larimer County Search and Rescue, Fort Collins, Colorado. (March 1, 2010 - Present).

Member, Search and Rescue Dogs of Colorado, Fort Collins, Colorado. (September 1, 2009 - Present).
