**DR. ABBEY WICK**

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*DIRT Workshop:* DIRTworkshopND.com

**CURRENT POSITION**

*August 2012-Current North Dakota State University Fargo, ND, USA*

*Associate Professor of Soil Health-Extension*

*Appointment: 90% Extension, 10% Research*

I develop Extension programs to compliment research related to soil health and whole-systems management. In place of using a linear model approach to Extension, I encourage a more impactful role of Extension as a boundary organization, knowledge network manager and builder of social capital amongst a variety of groups. I also use social media and other web-based resources to compliment face-to-face interactions.

Within this network approach, I build cohesive soil health programs across North Dakota within NDSU Extension and other educational organizations regionally and nationally. I also provide direct assistance to farmers and ranchers to keep my finger on the pulse of agriculture and build meaningful relationships to advance practice adoption across the region. I develop partnerships with stakeholders and other organizations to support programming and efforts in North Dakota.

I am technically trained in evalutating soil health parameters; however, I conduct applied research at a systems level. This involves developing strong, collaborative relationships and having knowledge of multiple parameters contributing to a specific outcome of a system so that sustainable practices can be widely adopted.

**PREVIOUS POSITIONS**

*March 2008-July 2012 Virginia Tech Blacksburg, VA, USA*

*Post-Doctoral Research Associate/Senior Research Associate*

*Marginal Soils Research Group (W. Lee Daniels)*

I evaluated biological processes in undisturbed and disturbed soils using soil organic matter fractionation techniques, trace gas measurements and microbial assays. Research areas include: (1) modeling biogenic trace gas emissions and soil organic matter dynamics, (2) soil development with vegetation succession following mining, (3) crop establishment on marginal soils, (4) remediation of contaminated, acid forming and/or saline dredge sediment in an upland setting, and (5) rehabilitation of severely compacted urban soils to optimize tree establishment and growth (with Susan Day).

I also worked closely with the Virginia Department of Environmental Quality to establish soil-screening levels/guidelines for upland placement of dredge materials.

Promoted to Senior Research Associate in 2011.

*July 2007-February 2008 University of Wyoming Laramie, WY, USA*

*Post-Doctoral Research Associate*

*Forest and Fire Ecology (Dan Tinker)*

I supported research efforts and wrote a National Science Foundation research proposal to evaluate the effects of fire intensity on soil and other ecological parameters.

During this time, I also worked with Bent’s Old Fort National Historic Site, Colorado, to write an Environmental Impact Statement for restoration of grasslands surrounding the fort.

**EDUCATION**

*August 2004-June 2007 University of Wyoming Laramie, WY, USA*

*Ph.D. Soil Science*

*Soil Ecology Lab (Pete Stahl)*

Emphasis of research was the evaluation of soil organic matter pools in relation to re-established plant communities commonly found on reclaimed mine lands in the Powder River Basin of Wyoming. Analysis of naturally occurring stable carbon isotopes was used to investigate organic matter transfer among soil pools and soil aggregate hierarchy. This research was part of a larger project where microbial community structure, arthropod and nematode communities were evaluated.

*September 2001-June 2004 University of Denver Denver, CO, USA*

*M.A. Physical Geography*

*Geomorphology and Reclamation (Terry Toy)*

Research was conducted on reclaimed mine lands in North Dakota to address questions pertaining to plant species establishment and recruitment on varying soil replacement depths and slope positions over sodic spoil material.

*September 1997-June 2001 University of Denver Denver, CO, USA*

*B.A. Geography*

Selected (1 of 12 students) to participate in the fall Field Quarter where four courses were taught over a 10 week period in the field (Mt Evans, Grand Mesa, Yellowstone National Park, Badlands National Park, Baja and Sonora).

Keck Scholarship was awarded for the summer of 2000 to write a Geologic Training Manual for Florissant Fossil Beds National Monument, Florissant, CO and for the development of a virtual field trip for Timpanogos Cave National Monument, American Fork Canyon, UT.

Partners in Scholarship (PINS) awarded for the fall of 2000 to work on urban change in the Observatory Park neighborhood of Denver, CO.

Minored in Anthropology and Environmental Science.

**RESEARCH GRANTS AND EVENT SPONSORSHIPS**

**Grants Funded *(Total Proposals: 71, Total Funded: $9,242,695)***

Define Wheat Response to Salinity (SHARE Farm Mooreton). 2020-2021. ND Wheat Commission, $38,303 (**Wick**, Gasch, Daigh, Berti, Casey)

SHARE Farm Larimore. 2020-2021. ND Wheat Commission, $49,036 (**Wick**, Gasch, Daigh, Berti, Casey, Ostlie, Endres, Kalwar)

Soil Health and Agriculture Research Extension (SHARE) Farm Research Projects in Mooreton, ND and Logan Center, ND. 2020-2021. ND Soybean Council, $26,358 (**Wick**, Gasch, Daigh, Berti, Casey, Ostlie, Endres, Kalwar)

Managing Salinity with Cover Crops: A Whole System Response (year 4). 2020-2021. ND Soybean Council, $33,870 (Gasch, DeSutter, Harmon, **Wick**, Banerjee)

Research and Outreach Plan 2020 Growing Season – Barley Project. 2020-2021. ND Barley Council, $52,995. (**Wick**, Franzen)

SHARE Farm North: Expanding Soil Health Building Research and Extension Efforts. 2019-2020. Four Separate Proposals: ND Corn Council ($24,292), ND Soybean Council ($23,622), Northarvest Dry Bean Growers ($34,128), ND Wheat Commission ($48,843); Total: $130,885 (**Wick**, Casey, Gasch, Daigh)

Research and Extension Efforts at the Soil Health and Agriculture Research Extension (SHARE) Farm. 2019-2020. Three Separate Proposals: ND Corn Council ($167,290; 2019-2021), ND Soybean Council ($82,075), ND Wheat Commission ($31,628); Total: $280,993 (**Wick**, Casey, Gasch, Daigh)

Change in Free-Living N-Fixer Activity for Reduction of Corn N Rate over Time with No-Till Transition. 2019-2021. ND Corn Council, $23,129 (Franzen, Gasch, **Wick**)

Managing Salinity with Cover Crops: a Whole System Response. 2019-2020. ND Corn Council ($57,842), ND Soybean Council ($57,962); Total: $115,804 (Gasch, **Wick**, DeSutter, Harmon)

Cover Crops and Forage Grazing Training Program in North Dakota, 2018-2020. North Central Region Sustainable Agriculture Research and Education, $74,899 (Berti**, Wick**, Sedivec)

Research and Extension Efforts at the Soil Health and Agriculture Research Extension (SHARE) Farm (Year 6). 2018-2019. ND Soybean Council ($51,250), ND Wheat Commission ($30,000); Total: 81,250 (**Wick**, Casey, Ripplinger, Gasch)

Maximizing Soil Warming and Health under Different Tillage Practices in a Corn-Soybean Rotation. 2018-2019. Two Separate Proposals: ND Corn Council ($63,775), ND Soybean Council ($62,635); Total: $126,410 (Daigh, DeJong-Hughes, **Wick**)

Managing Salinity with Cover Crops: A Whole Systems Response (Year 2). 2018-2019. Two Separate Proposals: ND Corn Council ($54,505), ND Soybean Council ($54,625); Total: $109,130 (Gasch, **Wick**, Harmon, DeSutter)

Defining Saline Patches in Row Crop Fields: Biotic Communities and Implications for Zone Management. 2017-2019. NDAES Precision Ag Grant Program, NDSU, $61,684 (Gasch, Harmon, DeSutter**, Wick**)

Cover Crops and No-Tillage Enhance Soil Water Management in Frigid Northern Great Plains Soils. 2017-2020. NRCS CIG, $999,327 (Daigh, Gasch, Casey, DeSutter, **Wick**, Ritchison, Clay, Reese)

Adoption of Cover Crops to Build Soil Health in the Northern Plains (Continuation). 2017-2019. NCR-SARE, $29,488 (**Wick**, Gasch)

Research and Extension Efforts at the Soil Health and Agriculture Research Extension (SHARE) Farm (year 5). 2017-2018. Two Separate Proposals: ND Soybean Council ($57,785), ND Wheat Commission ($25,000); Total: 82,785 (**Wick**, Casey, Ripplinger, Gasch)

Maximizing Soil Warming and Health under Different Tillage Practices in a Corn-Soybean Rotation. 2017-2018. Four separate proposals: ND Soybean Council ($57,430; funded), ND Corn Council ($57,430; funded), MN Corn Research and Promotion Council ($38,231; 2 year; funded), MN Soybean Growers ($26,075; funded); Total: $179,166 (Daigh, DeJong-Hughes, **Wick**)

Managing Salinity with Cover Crops: A whole System Response. 2017-2018. Two separate proposals: ND Soybean Council ($45,121; funded, ND Corn Council ($45,121; funded); Total: $90,242 (Gasch, **Wick**, Harmon, DeSutter)

Program Evaluation-Soil Health Café Talks. 2016. NDSU Extension, $1,500 (**Wick,** Langseth – funded at $500 level)

Maximizing Soil Warming and Health under Different Tillage Practices in a Corn-Soybean Rotation. 2016-2017. ND Soybean Council, $47,155 (Daigh, DeJong-Hughes, **Wick**)

Improving Soil Health and Productivity of Sodic Soils. 2016-2017. ND Soybean Council, $29,211 (DeSutter, Chatterjee, **Wick**)

Interpretation and Sharing of Information from Soybean and Pest Pressure Response to Salinity (year 4). 2016-2017. ND Soybean Council, $33,571 (**Wick**, Harmon, DeSutter)

Research and Extension Efforts at the Soil Health and Agriculture Research Extension (SHARE) Farm (year 4). 2016-2017. ND Soybean Council ($82,513), ND Wheat Commission ($20,970); Total: $103,483 (**Wick**, Casey, Ripplinger)

A Novel Management Approach to Increase Productivity, Resilience and Long-Term Sustainability of Cropping Systems in the Northern Great Plains - North Dakota, Minnesota and Iowa. 2016-2020. CropSys-CAP Proposal, $3,750,385 (**Wick**: $160,000) (Berti, Franzen, Johnson, Ripplinger, Kandel, **Wick**, Akyuz, Ransom, Nowatzki, Gesch, Forcella, Wells, Lenssen, Moore.

Enhancing Soil Health with Cover Crops in North Dakota: Training Program. 10/1/2015 – 9/30/17. North Central Region – Sustainable Agriculture Research and Education Professional Development Grant, $71,012 (Berti, **Wick**)

Defining Wheat Response to Salinity for North Dakota (year 2). 7/1/2015 - 6/30/16. ND Wheat Commission, $23,619 (**Wick**, Chatterjee, Ripplinger, Casey)

Soil Health Video Development. 2015-2016. ND Soybean Council, $5,000 (**Wick**)

Continued Support of the Eastern North Dakota Soil Salinity Demonstration Network. 2015-2018. EPA 319/ND Dept. of Health, $187,457 **(Wick)**

Adaptation of Soil Health Building Practices. 7/1/2015 – 6/30/2017. NCR SARE Partnership Grant, $27,020 (**Wick**)

Improving Soil Health and Productivity of Sodic Soils. 2015-2016. ND Soybean Council, $37,754 (DeSutter, Chatterjee, **Wick**)

Soil Salinity Gradients Damage to Soybean and Pest Infestations (Yr 3). 2015-2016. ND Soybean Council, $45,413 (Harmon, **Wick**, Prischmann-Voldseth, DeSutter)

Influence of Soil Salinity Gradients on Corn Production and Arthropod Pest Infestations (Yr 3). 2015-2016. ND Corn Council, $45,038 (Harmon, **Wick**, Prischmann-Voldseth, DeSutter)

Effect of Soil Salinity on Disease Resistance in Soybean. 2015-2016. ND Soybean Council, $37,810 (Nelson, **Wick**)

Maximizing Soil Warming and Health under Different Tillage Practices in Corn-Soybean Rotation. 2015-2017. Two Separate Proposals: ND Soybean Council ($51,155; 2015-2016) and ND Corn Council ($33,310; 2015-2017); Total: $84,465 (Daigh, DeJong-Hughes, **Wick**)

Research and Extension Efforts at the Soil Health and Agriculture Research Extension (SHARE) Farm. 2015-2016. Two Separate Proposals: ND Soybean Council ($68,545; 1 yr), ND Corn Council ($141,341; 2 yr); Total: $209,886 (**Wick**, Casey, Ripplinger)

Defining Wheat Response to Salinity for North Dakota. 2014-2015. ND Wheat Commission, $27,719 (**Wick**, Chatterjee, Ripplinger, Harmon)

Soil Health Video Development. 2014-2015. ND Soybean Council, $5,000 (**Wick**)

Improving Soil Health and Productivity of Remediated Oil-Spill Soil. 2014-2017. Tesoro, $300,000 (DeSutter, **Wick**, Casey)

Soil Health Video Development. 2014. ND Soybean Council, $2,300 (**Wick**)

Mentor Relationship Travel Grant for Dr. Terry Toy. 2014. NDSU Advance FORWARD, $1,243 (**Wick**)

Management Options for Improving Soil Health Workshop/Discussion Session. 2014. North Dakota Sustainable Agriculture Research and Education, $700 (**Wick**)

Maximizing Soil Warming and Health under Different Tillage Practices in a Corn-Soybean Rotation. 2014-2015. Four separate proposals: ND Soybean Council ($55,929; Funded), ND Corn Council ($55,929; Not Funded), MN Corn Research and Promotion Council ($13,863; Funded), MN Soybean Growers ($13,863; Funded); Total: $139,584 (Daigh, DeJong-Hughes, **Wick**)

Improving Soil Health and Productivity of Sodic Soils. 2014-2015. ND Soybean Council, $69,944 (DeSutter, Chatterjee, **Wick**-cooperator)

Developing Treatments of Interest to Producers at the SHARE Farm. 2014-2015. ND Corn Council, $62,707 (**Wick,** Casey, DeSutter)

Influence of Soil Salinity Gradients on Corn Production and Arthropod Pest Infestations. 2014-2015. ND Corn Council, $72,540 (**Wick**, Harmon, Prischman-Voldseth)

Effect of Salinity on Disease Resistance of Soybean. 2014-2015. ND Soybean Council, $37,500 (Nelson, **Wick**)

Research and Extension Efforts at the SHARE Farm. 2014-2015. ND Soybean Council, $66,258; ND Corn Council, $66,258 (**Wick,** Casey, Ripplinger)

From the Ground Up: How do Soil Salinity Gradients Damage Soybeans, Contribute to Arthropod Pest Infestations and Impact Soil Nitrogen Reserves (year 2). 2014-2015. ND Soybean Council, $72,924 (**Wick,** Harmon, Prischmann-Voldseth)

LEAP Lab Renovation Grant Program. 2013-2014. NDSU Advance FORWARD and NDSU College of Agriculture, $17,300 (**Wick**)

Development of producer education groups – SHARE Talk. 2013-2014. ND Corn Growers, Producer Education Mini-grant, $4,800 (**Wick**)

Acquisition of Datalogger/GPS Suite for Monitoring Apparent Electrical Conductivity. 2013-2014. ND Corn Growers, Producer Education Mini-grant, $3,941 (DeSutter, **Wick**)

School of Natural Resource Sciences Graduate Research Assistantship, for Chandra Heglund, MS Soil Science, 2013-2014. $9,000 (Heglund and **Wick**)

Sensing Earth Environment Directly (SEED) Sensor. 2013-2014. ND Corn Council, $35,873 (Bauer-Reich, Ulven, Hoey, Franzen, **Wick**)

Materials for the Development of Soil Judging Teams in North Dakota. 2013. North Dakota Sustainable Agriculture Research and Education, $3,670 (**Wick**)

Mentor Relationship Travel Grant for Dr. Lee Daniels. 2013. NDSU Advance FORWARD, $1,373 (**Wick**)

Establishment of the NDSU Soil Health and Agricultural Research and Extension (SHARE) Farm. 2013-2014. ND Corn Council, $68,950 (**Wick** and Casey).

Influence of Soil Salinity Gradients on Corn Production and Arthropod Pest Infestations. 2013-2014. ND Corn Council, $53,219 (**Wick**, Harmon, Prischmann-Voldseth)

From the Ground Up: How do Soil Salinity Gradients Damage Soybeans, Contribute to Arthropod Pest Infestations and Impact Soil Nitrogen Reserves. 2013-2014. North Dakota Soybean Council, $58,213 (**Wick**, Harmon, Prischmann-Voldseth)

Soil Health Video Development, 2012-2013. ND Corn Growers, Producer Education Mini-Grant, $4,250 (**Wick**)

Equipment Grant, WinRhizo Pro. 2012. NDSU Extension Service and School of Natural Resource Sciences, $5,000 (**Wick**)

Eastern North Dakota Soil Salinity Specialist – Years Three Four and Five. 2012-2015. EPA-319, $191,921 (Franzen and **Wick**)

Soil Health/Soil Biology Training for the Northern Plains. 2012-2013. NCR-SARE, $49,000 (Franzen; funds managed by **Wick**)

Equipment Grant, Shimadzu GC-2014 Greenhouse Gas analyzer with an AOC-5000 autosampler. 2010. Virginia Tech, College of Agriculture and Life Sciences, Equipment Trust Fund, $66,760 (**Wick,** Daniels)

Vegetation Establishment on Amended Saline Dredge Materials. 2009-2011. Weanack Land LLP, $90,000. (**Wick**, Daniels, Haus)

Influence of Plant Community Structure and Topsoil Handling Methods on Soil Structure Development and Microbial Community Recovery in Reclaimed Soil. 2007-2008. Office of Surface Mining, $114,874 (Stahl, Ingram, **Wick**)

Effects of Stockpiling and Topsoil Replacement on Soil Carbon Pools, 2007. Foundation Coal Company, $2,500 (**Wick**, Stahl)

Use of Stable Carbon Isotopes to Study Organic Matter Incorporation into Soil Aggregates in a Reclaimed Mine Soil. 2006-2007. NSF-EPSCoR, $4,956 (**Wick**, Stahl)

**Grants In Review *(Total Proposals: 3, Proposed Funding: $10,049,195)***

SuNSHInE-Sustainable Novel Systems: Healthy Intensification of Production and Ecosystem Services in the North Central Region. 2020-2025. Agriculture and Food Research Initiative (AFRI) Sustainable Agriculture Systems (SAS) Program, $9,918,062; Wick portion: $379,285 (Berti, **Wick**, Kandel, Oeters, Deckard, Shetty, Chen, Chatterjee, Franzen, Ostlie, Forster, Pourhashem, Webster, Sibi, Liebig, Anderson, Horvath, Rinehart, Bucking, Archer, Bauder, Thandi, Cates, Pease, Haley)

Soil Health and Agriculture Research Extension (SHARE) Farm in Logan Center, ND. 2020-2021. Northarvest Dry Bean Association, $41,316 (**Wick**, Gasch, Daigh, Berti, Casey, Ostlie, Endres, Kalwar)

Training Effective Delivery of Science-Based Soil Health Information – It’s About More than Just Content, It’s About Messaging Skills. 2020-2022. North Central Region Sustainable Agriculture Research and Education Professional Development Program, $89,817 (**Wick**, Berti)

**Event Sponsorship Fundraising *(Total Events: 13; Total Funding: $433,500)***

*\*amounts in addition to grant funding secured to support events*

Dakota Innovation Research and Technolgy (DIRT) Workshop. 2019. Sponsorships, $27,000 (**Wick**)

Agriculture Adventure Day, Red River Zoo. 2019. Event Sponsorships, $20,000 (**Wick**)

Conservation Tillage Conference. 2018. Sponsorships, $36,450 (**Wick**, DeJong-Hughes)

Grazing Cover Crops Workshops. 2018. Sponsorships, $2,500 (**Wick**)

Agriculture Adventure Day, Red River Zoo. 2018. Event Sponsorships, $25,750 (**Wick**)

Red River Zoo, Childrens Zoo Farm. 2018. Exhibit Sponsorships, $175,000 (**Wick**, Jacobson)

MidWest Cover Crops Council Annual Meeting. 2018. Sponsorships, $23,700 (**Wick**, Berti)

Agriculture Adventure Day, Red River Zoo. 2017. Event Sponsorships, $27,500 (**Wick**)

Conservation Tillage Conference. 2017. Sponsorships, $23,850 (**Wick**, DeJong-Hughes)

Agriculture Adventure Day, Red River Zoo. 2016. Event Sponsorships, $10,000 (**Wick**)

Conservation Tillage Conference. 2016. Sponsorships, $23,100 (**Wick**, DeJong-Hughes)

Conservation Tillage Conference. 2015. Sponsorships, $20,300 (**Wick**, DeJong-Hughes)

Conservation Tillage Conference. 2014. Sponsorships, $18,350 (**Wick**, DeJong-Hughes)

**Grants Submitted, NOT Funded *(Total Proposals: 15, Amount Proposed: $9,059,501)***

Enhancing Cropping Systems Health and Sustainability by Diversifying Crop Rotations and Adding Value to Agricultural Products in the Northern Great Plains. 2020 – 2025. USDA-Sustainable Agricultural Systems – A9201, Letter of Intent (Berti, **Wick**, Howatt, Yan, Anderson, Rinehart, Liebig, Bucking, Franzen, Sedivec, Hernandez, Briese, Shetty, Sarkar, Deckard, Hattermann-Valenti, Walker-Swaney, Archer, Pourhashem, Haley)

Evaluation of Four Different Types of Cover Crop Programs on Soil Health, Herbage Production and Mineral Value, and Pollinator Habitat across North Dakota. 2018 – 2022, NRCS CCG, $999,000 (Sedivec, Geaumont, Augustin, Hovick, Kalwar, Meehan, **Wick**, Ripplinger, Samson-Liebig)

Bringing Agriculture to the City. 2018-2020, NCR-SARE, $30,000 (Jacobson, **Wick**)

Cover Cropping Techniques for Improving Soil Health and the Managing of Saline and Sodic Soils within the Northern Great Plains. 9/2016 – 9/2018, NRCS Conservation Innovation Grant, $988,279 (DeSutter, Clay, Daigh, Steele, Casey, Chatterjee, **Wick**, Hopkins, Roberts, Malo, Reese, Carlson, Xu, Chang, Schumacher, Reiks)

Mitigating the Unexpected Consequences of Climate and Land-Use Changes on Northern Great Plains Fragile Soils. 10/1/2015 – 9/30/2019. Agriculture and Food Research Initiative: Food Security, $3,997,519 (Clay, Clay, Smart, Stone, Chatterjee, Malo, Roberts, Bucking, Subramanian, Perkins, Xu, Reese, Dailey, Ohrtman, Hansen, Schumacher, Chang, Sieverding, **Wick**, Hopkins, Daigh, DeSutter)

Sensing Earth Environment Directly (SEED) Sensor. 2014-2017, NSF – Division of Electrical, Communications and Cyber Systems, $399,354 (Ulven, Bauer-Reich, Hoey, Ripplinger, **Wick)**

Demonstrating the Impacts of Grassland Conversion to Row Crops on Soil Health in the Northern Great Plains. 2014-2017. Conservation Innovation Grant, $1,010,127 (Clay, Smart, Clay, Graham, Malo, Carlson, Reese, Kumar, Grings, DeSutter, Sedivec, Limb, Daigh, **Wick**, Chatterjee, Beaumont, Roberts)

Demonstrating Saline Soil Management Options in North Dakota. 2014-2017, North Central Sustainable Agriculture Research and Education, $186,606, invited to write full proposal (27 out of 175; **Wick**)

RAPID: Restoration of a Major Oil Spill in North Dakota. 2014-2015, NSF Rapid Program (DeSutter, **Wick** and Casey)

Youth Soil Health Education Kits. 2014. North Central Region, Sustainable Agriculture Research and Education, $1,990 (Augustin, **Wick**)

Salinity Reduction under Tile Drainage Management. 2014-2016, ND Corn Council, $71,342 (Casey, **Wick**, Ripplinger, DeSutter)

Empowering North Dakota Producers to Manage for Soil Health via Improved Extension Programs and Trainings at the County Level. 2013-2015, North Central Sustainable Agriculture Research and Education, $197,372 (**Wick**)

Soil Health and Land Management Web and Media Development. 2013-2014, ND Agricultural Products Utilization Commission, $16,975 (**Wick**)

Benchmarking and Documenting BMP Impacts on Soil Health in the Northern Great Plains. 2013-2016, Conservation Innovation Grant, $998,937 (Alverson, Brunkhorst, Skunes, Alverson, Narem, Clay, Malo, Carlson, Clay, Reese, Beck, Kumar, Mueller, Ferguson, DeSutter, Cihacek, Fortuna, **Wick**, Casey)

Benchmarking and Documenting BMP Impacts on Soil Health in the Northern Great Plains. 2013-2016, ND Corn Council Matching Fund Proposal, $162,000 (**Wick**, DeSutter)

**PUBLICATIONS**

**Published or Accepted *(Total: 36)***

Merrill, S.D., J. R. Hendrickson, **A.F. Wick**, M.A. Liebig. Accepted. Soil and Plant Factors Affecting Changes in Forage Production PAttens on Mined land 28 Years after Reclamation. Range Ecology and Management.

Andersen, B.K., Samarappuli, D.P., **A.F. Wick**, M.T. Berti. 2020. Faba Bean and Pea Can Provide Late-Fall Forage Grazing without Affecting Maize Yield the Following Season. Agronomy 10(1): 80. DOI: 10.3390/agronomy10010080.

Daigh, A.L., J. DeJong-Hughes, D. Gatchell, N. Derby, R. Alghamdi, Z. Leitner, **A.F. Wick**, U. Acharya. 2019. Crop and Soil Responses to On-Farm Conservation Tillage Practices in the Upper Midwest. Agricultural and Environmental Letters 4(1): 1-5. DOI: 10.2134/ael2019.03.0012.

**Wick, A.F.,** J. Haley, C. Gasch, T. Wehlander, L. Briese, S. Samson-Liebig. 2019. Network-based Approaches for Soil Health Research and Extension Programming in North Dakota, USA. Invited Submission, Special Issue: Soil Knowledge Sharing and Knowledge Building for Sustainable Soil Use and Management, Insights and Implications for the 21st Century. Soil Use and Management 35:177-184. DOI: 10.1111/sum.12444.

Merrill, S., M. Liebig, J. Hendrickson, **A.F. Wick**. 2018. Soil Quality and Water Redistribution Influences on Plant Production Over Low Hillslopes on Reclaimed Mined Land. International Journal of Agronomy 2018(3):1-12. DOI: 10.1155/2018/1431054.

Butcher, K. **A.F. Wick**, T. DeSutter, A. Chatterjee, J. Harmon, D. Prischmann-Voldseth. 2018. Corn (*Zea Mays*) and Soybean (*Glycine Max*) Yield Response to Salinity Influenced by Soil Texture. Agronomy Journal 110:1-11. DOI: 10.2134/agronj2017.10.0619.

O’Brien, P.L., T. M. DeSutter, F. X. M. Casey, **A.F. Wick**, and E. Khan. 2017. Evaluation of Soil Function Following Remediation of Petroleum Hydrocarbons—a Review of Current Remediation Techniques. Curr. Pollut. Reports 3:192-205. DOI:10.1007/s40726-017-0063-7.

O’Brien, P.L., T.M. DeSutter, S.S. Ritter, F.X.M. Casey, **A.F. Wick**, E. Kahn, and H. Matthees. 2017. A Large-Scale Soil-Mixing Process for Reclamation of Heavily Disturbed Soils. Ecological Engineering 109:84-91. DOI: 10.1016/j.ecoleng.2017.09.015.

O’Brien, P.L., T. M. DeSutter, F. X. M. Casey, **A.F. Wick**, E. Khan. 2017. Wheat Growth in Soils Treated by Ex Situ Thermal Desorption. Journal of Environmental Quality 46:897-905. DOI: 10.2134/jeq2017.03.0115.

Eichele, J., **A.F. Wick**, T. DeSutter, J. Harmon. 2017. The Effects of Salinity on a Herbivorous Crop Pest *Tetranychus urticae* (Trombidiformes: Tetranychidae) on Soybean and Corn. Environmental Entomology 46(4):839-846. DOI: 10.1093/ee/nvx103.

Thapa, R., A. Chatterjee, **A.F. Wick**, K. Butcher. 2017. Carbon Dioxide and Nitrous Oxide Emissions from Naturally Occurring Sulfate-Based Saline Soils at Different Moisture Contents. Pedosphere 27(5):868-876. DOI: 10.1016/S1002-0160(17)60453-3.

Thapa, R., **A.F. Wick**, A. Chatterjee. 2017. Response of Spring Wheat (*Triticum aestivum*) to Sulfate-Based Salinity Stress under Greenhouse and Field Conditions in the Northern Great Plains of USA. Agronomy Journal 109(2):442-454. DOI: 10.2134/agronj2016.07.0384.

Bohrer, S.L., R Limb, A. Daigh, J. Volk, **A.F. Wick**. 2017. Fine and Coarse-Scale Patterns of Vegetation Diversity on Reclaimed Surface Coal Mineland over a 40-Year Chronosequence. Environmental Management 59:431-439. DOI: 10.1007/s00267-016-0795-y.

Butcher, K., T. DeSutter, **A.F. Wick**, A. Chatterjee, J. Harmon. 2016. Soil Salinity: A Threat to Global Food Security. Agronomy Journal 108: 2189-2200. DOI: 10.2134/agronj2016.06.0368.

**Wick, A.F**., M. Berti, Y. Lawley, M. Liebig. 2016. Chapter 6: Integration of Annual and Perennial Cover Crops for Improving Soil Health. Soil Health and Intensification of Agroecosystem (Ed.M. Al-Kaisi, B. Lowery)

O’Brien, P., T. DeSutter, F. Casey, **A.F. Wick**, N. Derby. 2016. Implications of Using Thermal Desorption to Remediate Contaminated Agricultural Soil: Physical Characteristics and Hydraulic Processes. Journal of Environmental Quality 45:1430-1436. DOI: 10.2134/jeq2015.12.0607.

Gasch, C., S. Huzurbazar, S. **A.F. Wick**, P.D. Stahl. 2016. Assessing Impacts of Crested Wheatgrass Versus Native Species Establishment on Soil Characteristics in Reclaimed Soils Using Bayesian Posterior Predictive Distributions. Land Degradation and Development 27:521-531. DOI: 10.1002/ldr.2453.

DeSutter, T., D. Franzen, Y. He**, A.F. Wick**, J. Lee, B. Deutsch, D. Clay. 2015. Relating Percent Sodium to Sodium Adsorption Ratio and Its Utility in the Northern Great Plains. Soil Science Society of America Journal 79(4):1261-1264. DOI: 10.2136/sssaj2015.01.0010n.

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**PODCASTS AND WEBINARS**

**Wick, A.F.** 2020. Soil Sense Podcast, Season 2, 15 Episodes to be released weekly with different guests, Host: Tim Hammerich (19,437 plays as of 4/14/20).

Cover Crop Seed Considerations, Steve Zwinger (NDSU) and Jason Goltz (ND State Seed Department), April 12

The Value of Livestock to Soil Health, Kevin Sedivec (NDSU), April 5

Measuring Impact of Sharing Information about Soil Health, Jean Haley (Haley Consulting) and Abbey Wick (NDSU), March 29

Farmers Supporting Each Other to Build Healthier Soils, Tyler Zimmerman and Chris Walburg (farmers), March 22

Worms, Water and Soil Helath Research in Action, Rod Utter and Nate Derby (NDSU), March 15

 Soil Science 101, Jay Goos (NDSU), March 7

Soil Health Collaboration between Ag Retail and Extension, Tim Becker (farmer) and Jason Vollmer (agronomist), March 1

**Wick, A.F.**, T. Hammerich. 2020. Working Cows Podcast Show Guests with host Clay Conry, Episode 131, March 19.

**Wick, A.F.** 2019. Soil Sense Podcast, Season 1, 16 Episodes with different guests, Host: Tim Hammerich (11,046 plays as of 1/12/20).

 Decades of Building Soil Health, Joe Breker (farmer), October 31

SHARE Farm Reflections and Insights, Ken Johnson (farmer), Jean Henning (ND Corn Council), October 24

 Managing Salts, Allie Slykerman (crop consultant), October 17

 Integrating Cattle and Cover Crops, Luke Ressler (farmer, rancher), October 10

 Soil Physics and Soil Biology, Aaron Daigh (NDSU), October 3

Building Soil Health on your Toughest Field, Doug Toussaint (farmer), September 26

 Salinity and Sodicity Issues, Naeem Kalwar (NDSU), Septermber 19

 Improving Soil Health Over Generations, Lee Trautman (farmer), September 12

Cover Crops, Marisol Berti (NDSU), September 5

 Taking Off with Soil Health, Matt Nelson (farmer), August 29

Lessons Learned from 20 Years of Crop Consulting, Lee Briese (crop consultant), August 22

Challenges of Building Soil Health in Cool Wet Climates, Sam Landman (farmer), August 15

Precision Ag for Healthier Soils, Dave Franzen (NDSU) and Anthony Thilmony (farmer), August 4

 Soil Fertility, Dave Franzen (NDSU) and Anthony Thilmony (farmer), August 1

Soil Health Systems on the Farm, Tony Wagner (farmer), August 1

 Setting the Stage for Soil Health in North Dakota, Abbey Wick (NDSU), July 29

**Wick, A.F.** 2019. Shark Farmer Radio Show Guest with host Rob Sharkey, XM Ruralradio 147, September 24.

**Wick, A.F.** 2019. Importance of Aggregation for Soil Health. March 13, Webinar, No-Till Farmer Magazine, sponsored by Illinois Soybean Association, ND Corn Council, ND Soybean Council (337 pre-registered attendees; 801 views since posting on-line).

**Wick, A.F**., J. Fuhrer. 2019. Ideas for Working Alongside Farmers to Improve Soil Health. March 12, Webinar, SSSA/ASA Webinar Series for CCA’s, sponsored by General Mills (over 1,000 pre-registered attendees).

**Wick, A.F.** 2018. Nerding Out about Soil Health with Dr. Abbey Wick. Future of Ag Podcast, Host: Tim Hammerich.

**EXTENSION VIDEOS PRODUCED**

***Total Videos Produced: 99; Plays 159,101 (3/27/20)***

**Wick, A.F**. 2020. DIRT 2020 Promotional Video. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=CpyP3AXr9qk>

**Wick, A.F**. 2020. Setting up the SHARE Farm Locan Center. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=q9RLSmMgWfQ>

**Wick, A.F**. 2019. DIRT Workshop Coverage. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=aDrjXG3k0Iw>

**Wick, A.F**. 2019. DIRT Workshop Preview with Lee Briese. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=CHF9z3nCNrY>

**Wick, A.F**. 2019. Winter Camelina. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=B1J83URX3OQ>

**Wick, A.F**. 2019. Comparing Warm and Cool Season Grasses. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=a1X6DvjB8KQ>

**Wick, A.F**. 2019. Cover Crops on Prevented Plant. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=vkciX3Pu-mw>

**Wick, A.F**. 2019. Soil Sense Podcast Release. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=VR739G95tFs>

**Wick, A.F**. 2019. Nitrogen Release Study. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=pJfY9WD6PSM>

**Wick, A.F**. 2019. Cover Crops for Prevent Plant and Grazing. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=Z2BACUDQUqM>

**Wick, A.F**. 2019. What’s to Come in the Soil Health Minute. AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=fm_d-GnzWo8>

**Wick, A.F**. 2019. Soil Health Café Talks Cover a Wide range of Topics, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=9fpkps3Skq0>

**Wick, A.F**. 2019. Soil Sense Podcast Intro. Extension Education Video InHouse Productions, <https://www.youtube.com/watch?v=72WiX_iHqZY>

**Wick, A.F**. 2018. Soil Health Minute: Steve Groff Interview, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=xNn_nJg8fAs>

**Wick, A.F**. 2018. Soil Health Minute: Steve Groff Interview (extended version), AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=awNkNdsxxP0>

**Wick, A.F**. 2018. Soil Health Minute: Learn More about Earthworms and a Healthy Soil, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=FI9wHFId1ug>

**Wick, A.F**. 2018. Soil Health Minute: Infiltration Demonstration, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=Y4pwNIPX4AA>

**Wick, A.F**. 2018. Soil Health Minute: Agriculture Adventure Day at the Zoo Preview, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=48cJ9ourtvc>

**Wick, A.F**. 2018. Soil Health Minute: No Till Water Absorption Comparison between Two Fields, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=wNcuFxkf2eo>

**Wick, A.F**. 2018. Soil Health Minute: Rye into Corn Followup, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=ZdhO5xQ-1J8>

**Wick, A.F**. 2018. Soil Health Minute: Split the Field for Salinity, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=u3mdQhz6-pk>

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**Wick, A.F**. 2018. Cereal Rye for Managing Salinity. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=a1OJXa3BdjY>

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**Wick, A.F**. 2018. Evaluating Soils in Sargent County. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=CgoE1zw6FJk>

**Wick, A.F**. 2018. Biological Activity in Saline Soils. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=UiPTTYxlp4c>

**Wick, A.F**. and D. Ritchison, 2018. Weather Data Collection at the SHARE Farm. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=0PTbHUWrnoI>

**Wick, A.F**. and D. Ritchison, 2018. Capabilities at the SHARE Farm NDAWN Station. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=5A4B05u4O7M>

**Wick, A.F**. 2018. Cover Crops Interseeded into Corn. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=6afGyxraH2g>

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**Wick, A.F**. 2018. Update on the Soil Health Minute: Cover Crop Right After Harvest. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=pT44dc5MXYY>

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**Wick, A.F**. 2017. Soil Health Minute: Options for Cover Crops – Oates and Barley, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=4kFp0cmRad4>

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**Wick, A.F**. 2017. Overview of the SHARE Farm. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=1Xk0Jn_Vvx8>

Gasch, C., **A.F. Wick**. 2017. Management Practices at the SHARE Farm. Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=kDzDNhALMuI>

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**Wick, A.F**. 2017. Soil Health Minute, AgWeek TV Soil Health Minute, Fargo Communications Production, <https://www.youtube.com/watch?v=1LHvHolHD1g>

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**Wick, A.F**. 2017. Sargent County Salinity Demonstration Update, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=nASOZ8CMAPw>

**Wick, A.F**. 2017. Salinity Management Strategies, Part 3, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=_RsgYqtC_GE>

**Wick, A.F**., J. DeJong-Hughes. 2017. Salinity Management Strategies, Part 2, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=ZVKJqk9O8dA>

**Wick, A.F**. 2017. Salinity Management Strategies, Part 1, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=yJ4pnyWdXoU>

**Wick, A.F**. 2017. Planting Green for Improved Soil Health, Part 1, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=CwQNbr8HdH4>

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**A.F. Wick.** 2017. Cover Crops in Sunflower, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=WYTxcuCOAh8>

Kelly, W., D. Keto, **A.F. Wick (cooperator)** Cooperator for the Northern Plains Climate Hub Farmer Video Series. Linked videographers with four farmers to tell their story of innovation in North Dakota.

**Wick, A.F**., M. Berti and C. Langseth. 2016. Cover Crop Selection: Grasses, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=Ac1aH-R2U-4>

**Wick, A.F**., M. Berti and C. Langseth. 2016. Cover Crop Selection 2: Legumes, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=uzwFPCR8kUQ>

**Wick, A.F**.**,** M. Berti and C. Langseth. 2016. Cover Crop Selection 3: Cover Crops after a Cereal Crop, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=YTBw8dF4sdo>

**Wick, A.F**.**,** T. DeSutter and C. Langseth. 2016. Cover Crop Selection 4: Soil Temp and Soil Respiration, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=ehEMPf0CWHo>

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**Wick, A.F.** 2013. Saline and Sodic Soil Field Day, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=HhNAZU3hYRA>

**Wick, A.F.** 2013. Sodic Soil Management, Extension Education Video, InHouse Productions, <https://www.youtube.com/watch?v=0R_mXEK9w5M>

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**REPORTS (IMPACT AND GRANTING)**

***Total Reports: 97***

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**Wick, A.F.,** 2019. Eastern ND Soil Salinity Specialist. Section 319 Nonpoint Source Pollution Control Program Information/Education/Training/Demonstration Project Final Report.

**Wick, A.F.,** F. Casey, C.K. Gasch, A. Daigh. M.Berti. 2019. Research and Extension Activities at the Soil Health and Agriculture Research Extension (SHARE) Farm. Mid-Year Report to the ND Soybean Council.

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Gasch, C., **A.F. Wick**, J. Harmon, T. DeSutter. 2019. Managing Salinity with Cover Crops: A Whole System Response. Annual Report/Executive Summary to the ND Soybean Council.

Gasch, C., **A.F. Wick**, J. Harmon, T. DeSutter. 2019. Managing Salinity with Cover Crops: A Whole System Response. Annual Report/Executive Summary to the ND Corn Council.

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**Wick, A.F**., B. Geaumont, K. Sedivec. 2014. Reclamation in the Bakken, Impact Report, NDSU Extension Service.

**Wick, A.F**., J. Harmon, D. Prischmann-Voldseth. 2014. From the Ground Up: How Soil Salinity Gradients Damage Soybeans, Contribute to Arthropod Pest Infestations and Impact Soil Nitrogen Reserves, ND Soybean Council Final Report.

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**CONFERENCE PROCEEDINGS (REVIEWED)**

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**EXTENSION WORKSHOPS AND TOURS PLANNED**

***Total Workshops and Tours: 124, Total Attendees: 12,743***

Dakota Innovation Research and Technology (DIRT) Workshop, December 9-11, 2019, Fargo, ND (**Wick**, 225 attendees)

Soil Health Tour for NDSCS, October 29, 2019, Wahpeton, ND (**Wick**, Hoffman, 20 attendees)

Leonard Soil Health Tour, September 26, 2019, Leonard, ND (Zimmerman, Walberg, **Wick**, 15 attendees)

Cover Crops Field Day, September 17, 2019, Fargo, ND (Kandel, Berti, **Wick**, 75 attendees)

Farm to Table Tour, Breker Farm, August 29, 2019, Rutland, ND (Breker, **Wick**, 15 attendees)

Agriculture Adventure Day, Red River Zoo, August 17, 2019, Fargo, ND (**Wick**, 1,500 attendees)

Soil Health in North Dakota Tour for Canadian Farmers and Educators – Wagner and Trautman, August 15, 2019, Wahpeton and Mooreton, ND (**Wick**, 20 attendees)

Soil Health in North Dakota Tour for Canadian Farmers and Educators – Breker, August 14, 2019, Wahpeton and Mooreton, ND (**Wick**, 20 attendees)

Soil Health in North Dakota Tour for Canadian Farmers and Educators – SHARE Farm and Toussaints, August 13, 2019, Wahpeton and Mooreton, ND (**Wick**, 20 attendees)

Intercropping, Cereal Rye and Cover Cropping CREC Tour, July 17, 2019, Carrington, ND (**Wick**, 30 attendees)

Camelina – Soybean Relay Cropping, June 25, 2019, Rutland, ND (**Wick**, Berti, 40 attendees)

SD Soil Health Coalition and NDSU Soil Health Meeting, April 25, 2019, Sisseton, SD (Zenk, **Wick**, 15 attendees)

SD Soil Health Coalition and NDSU Soil Health Meeting, April 3, 2019, Oakes, ND (**Wick**, 4 attendees)

CAP Research Update Meeting, March 26-27, 2019, Fargo, ND (**Wick**, Berti, 35 attendees)

Soil Health ND-SD meeting, March 19, 2019, Mandan, ND (**Wick**, 30 attendees)

Grazing Cover Crops Workshop, January 28, 2019, Grand Forks, ND (**Wick**, Berti, Sedivec, 45 attendees)

Conservation Tillage Conference, December 18-19, 2018, Fargo, ND (**Wick**, DeJong-Hughes, 350 attendees)

NDSCS Student Field Tour, October 22, 2018, Dwight, ND (Hoffman, **Wick**, 45 attendees)

Man-Dak Zero Till Early Years Reunion, October 16-17, 2018, Rutland, ND (Breker, **Wick**, 35 attendees)

Cover Crops Field Day, September 18, 2018, Fargo, ND (Kandel, Berti, **Wick**, 60 attendees)

NDSU Extension Efforts in Soil Health.Senator Heitkamp and Howard Buffet Visit, September 14, 2018, Fargo, ND (**Wick**, Podoll, Hanson, 25 attendees)

Cover Crop Field Day, August 28, 2018, Rutland, ND (**Wick**, 100 attendees)

The North Central Soybean Research Program Annual Meeting, August 8, 2018, Mooreton, ND (Nichols, **Wick**, 45 attendees)

Soil Health Bus Tour, July 25-26, 2018, Valley City, ND (**Wick**, 75 attendees)

Agriculture Adventure Day at the Red River Zoo, July 14, 2018, Fargo, ND (**Wick**, Jacobson, 1,500 attendees)

Walsh County Soil Health Extravaganza Tour, June 28, 2018, Park River, ND (Brummond, **Wick**, Franzen, 75 attendees)

Soil Health Tour of Toussaint Farm, June 6, 2018, Wahpeton, ND (Toussaint, **Wick**, 20 attendees)

Holy Spirit School Soil Health Activity Day, June 1, 2018, Fargo, ND (**Wick**, 20 attendees)

Midwest Cover Crops Council Annual Meeting, March 13-14, 2018, Fargo, ND (**Wick**, Berti, 215 attendees)

NDSCS Student-Farmer Mentoring Meeting, February 1, 2018, Rutland, ND (**Wick**, Hoffman, 25 attendees)

Grazing Cover Crops, January 22, 2018, Rutland, ND (**Wick**, 80 attendees)

Conservation Tillage Conference, December 4-5, 2017, Willmar, MN (DeJong-Hughes, **Wick**, 225 attendees)

Soil Ecology Field Tour, November 16, 2017, Delamere and Rutland, ND (**Wick**, 5 attendees)

Cover Crop Field Talk, October 20, 2017, Rutland, ND (**Wick**, 30 attendees)

Cover Crops for Soil Health Goals and Grazing (NDSCS Tour), October 19, 2017, Wahpeton, ND (**Wick**, Hoffman, 85 attendees)

Cover Crops in the Red River Valley (NDSCS Tour), October 17, 2017, Wahpeton, ND (**Wick**, Hoffman, 85 attendees)

Cover Crops Field Day, September 26, 2017, Fargo, ND (Berti, Kandel, **Wick**, 80 attendees)

Agriculture in the City – SARE Tour of Red River Zoo Farm, August 18, 2017, Fargo, ND (**Wick**, 9 attendees)

Cover Crops (CAP field day), August 15, 2017, Rutland, ND (**Wick**, Berti, 120 attendees)

Cover Crops and Grazing Field Day, July 25, 2017, Gardner, ND (**Wick**, Vinje, Severence, 65 attendees)

Agriculture Adventure Day at the Red River Zoo, 1st Annual, July 22, 2017, Fargo, ND (**Wick**, Jacobson, Henning, Wolf, 2,300 attendees)

E-I-E-I-O Day at Goddard School, July 19, 2017, West Fargo, ND (**Wick**, Planting, 100 attendees)

Soil Health Tour for ND Corn Council/Growers, July 11, 2017, Oakes, ND (**Wick**, 50 attendees)

Soil Health Field Day, June 28, 2017, Morris, MN (DeJong Hughes, **Wick**, 220 attendees)

Farmer- Landlord Field Day/Workshop, June 19, 2017, Mooreton, ND (**Wick**, Franzen, 15 attendees)

Cover Crop Workshop, March 7-8, 2017, Fargo, ND (**Wick**, Berti, 35 attendees)

Cover Crops-NDSCS Student Mentor Program, February 2, 2017, Rutland, ND (**Wick**, 35 attendees)

12th Annual Conservation Tillage Conference, December 13-14, 2016, Fargo, ND (**Wick**, DeJong-Hughes, 330 attendees)

SHARE Farm Research and Extension Efforts, presented to the Northern Plains Climate Hub Group, November 2, 2016, Mooreton, ND (**Wick**, 20 attendees)

Using Cover Crops in Rotation – Wagner and Wilson Farms, October 27, 2016, Jamestown, ND (**Wick**, 40 attendees)

Cover Crops and Soil Health – Toussaint Farms, October 25, 2016, Wahpeton, ND (**Wick**, 90 attendees)

Cover Crops Field Day, October 4, 2016, Fargo, ND (Berti, **Wick**, 80 attendees)

Cover Crops in Rotation – Trautman Farms, August 31, 2016, Jamestown, ND (**Wick**, 40 attendees)

Salinity Management, August 30, 2016, Embden, ND (**Wick**, 45 attendees)

Field Tour: Cover Crops and No Till – Early Years, August 26, 2016, Wahpeton, ND (**Wick**, 4 attendees)

Field Tour: Hoenhause Farm, No Till and Cover Crops, August 25, 2016, Lisbon, ND (**Wick**, 12 attendees)

Field Day: Using Cover Crops in Rotation, August 4, 2016, Fairmount, ND (**Wick,** Toussaint, 25 attendees)

Field Day: Using Cover Crops in Rotation, August 3, 2016, Delamere, ND (**Wick,** Speich, 20 attendees)

Field Day: Using Cover Crops in Rotation, August 2, 2016, Milnor, ND (**Wick,** Wehlander, 15 attendees)

No-Till and Salinity Management, July 27, 2016, Lakota, ND (Huso, **Wick**, 20 attendees)

Cover Crops with Sunflower, July 18, 2016, Dwight, ND (**Wick**, 25 attendees)

Including Cover Crops in Rotation, July 7, 2016, Gardner, ND (**Wick**; 40 attendees)

Soil Health Bus Tour, June 29-30, 2016, Wahpeton, ND (**Wick**, DeJong-Hughes; 135 attendees)

Planting Green – Soybean into Cereal Rye, May 18, 2016, Delamere, ND (**Wick**; 8 attendees; ND Soybean and ND Corn Councils)

Cover Crops in Richland County – Kutzer and Toussaint Farm Tour, April 29, 2016, Wahpeton, ND (**Wick**, LaPlante; 8 attendees)

Soil Health to 4th Graders, March 11, 2016, Lisbon, ND (**Wick**, Wehlander, Langseth; 45 attendees)

Cover Crop Train the Trainer, March 9-10, 2016, Fargo, ND (Berti, **Wick**; 45 attendees)

NDSCS Student-Farmer On-Farm Plan Development, February 24, 2016, Rutland, ND (**Wick**, Willhelm; 35 attendees)

Cover Crops: Farmers Share All, January 22, 2016, Rutland, ND (**Wick**; 65 attendees)

Conservation Tillage Conference, December 13-14, 2015, Willmar, MN (DeJong-Hughes, **Wick**; 175 attendees)

NDSCS Student-Farmer Q and A Session, December 10, 2015, Rutland, ND (**Wick**, Willhelm; 35 attendees)

On-Farm Soil Health Tour - Cover Crop Use in the Southern Red River Valley, October 27, 2015, Wahpeton, ND (**Wick**; 65 attendees)

On-Farm Soil Health Tour – Hoenhause Farm, October 13, 2015, Lisbon, ND (**Wick**, 10 attendees)

Cover Crops Field Day, October 2, 2015, Fargo, ND (Berti, **Wick**; 55 attendees)

Tools and Concepts to Actively Manage Salinity, September 29, 2015, Cummings, ND (Scheve, **Wick**; 25 attendees)

Annual Soil Health Field Day, September 24, 2015, Grand Forks, ND (Knudson, DeSutter, **Wick;** 35 attendees)

Management of Saline and Sodic Soils Field Day, September 8, 2015, Delamere, ND (Blawat, **Wick**; 110 attendees)

Using Rye as a Cover Crop (father-son operation discussion), September 3, 2015, Dwight, ND (**Wick**; 14 attendees)

Annual Soil Health Field Day, August 6, 2015, Barney, ND (**Wick**, DeJong-Hughes; 100 attendees)

Soil Health and Management in Stutsman County, July 30, 2015, Edgeley, ND (Briese, Wick; 15 attendees)

Soil Health and Compaction, July 23, 2015, Park Rapids, MN (DeJong-Hughes, **Wick**; 35 attendees)

SHARE Farm Tour for the NRCS, July 21, 2015, Mooreton, ND (**Wick**, 10 attendees)

On-Farm Soil Health Tour – Enger Farm, July 20, 2015, Hatton, ND (Samson-Liebig, **Wick**; 40 attendees)

SHARE Farm: Salinity and Sodicity in ND, National Extension Agent Meeting Tour, July 10, 2015, Mooreton, ND (Wick, 30 attendees)

Using Rye as a Cover Crop – Discussion and Tour, May 22, 2015, Wahpeton, ND (Heglund, **Wick**; 10 attendees)

Using Rye as a Cover Crop – Discussion and Tour, May 15, 2015, Rutland, ND (Heglund, **Wick**; 15 attendees)

Soil Health Training (2-day for county agents; pilot), March 16-17, Fargo, ND (Heglund, Breker, **Wick**; 9 attendees)

Managing for Soil Health Workshop, March 5, 2015, Rutland, ND (Blawat, **Wick**; 41 attendees)

3rd Annual Reclamation Conference, February 23-24, 2015, Dickinson, ND (**Wick**, Geaumont, Schladweiler, Meehan, Stroh; 250 attendees)

Conservation Tillage Conference, December 16-17, 2014, Fargo, ND (**Wick**, DeJong-Hughes; 220 attendees)

Cover Crop Plot Tour, October 21, 2014, Dwight, ND (**Wick**; 15 attendees)

Salinity Management and Producer Relationships Training Session for Fish and Wildlife Service, October 9, 2014, Jamestown, ND (**Wick**, Briese, Weiser, Harstad; 40 attendees from ND, SD, MT)

Salinity Field Day, September 19, 2014, Grand Forks, ND (DeSutter, **Wick**, Knudson; 40 attendees)

Management Tools for Saline and Sodic Soils, September 17, 2014, Delamere, ND (**Wick**, Blawat, 120 attendees)

Getting a Grip on Salinity, September 9, 2014, Valley City, ND (**Wick**, Frank, Brandt; 35 attendees)

Tools and Concepts to Actively Manage Salinity, September 3, 2014, Cummings, ND (**Wick** , Scheve; 30 attendees)

2nd Annual Soil Health Field Day: Tools to Take Home, August 21, 2014, Mooreton, ND (**Wick**; 135 attendees)

Richland County Celebrate, Educate, Energize Celebration, August 7, 2014, Mooreton (planned Extension Session at the SHARE Farm, Boerboom, Stoltenow, Coghill, Gebeke, **Wick;** 50 attendees).

No-till Tour with Producers at Hoenhause Farm, July 21, 2014, Lisbon (**Wick,** Weiser; 21 attendees)

Soil Health and Tillage Approaches at Breker Farm, July 16, 2014, Havana (**Wick**; 30 attendees)

Cover Crops 101, July 9, 2014, Hillsboro, ND. Funded by ND SARE (**Wick**, Scheve; 35 attendees)

Cover Crops 101, June 30, 2014, Wahpeton, ND. Funded by ND Corn Growers (**Wick**; 65 attendees).

Management Options for Improving Soil Health, March 10, 2014, Havana, ND. Funded by ND SARE, EPA 319, ND Corn Growers (**Wick**; 60 attendees)

What is Successful Reclamation? The Regulations, the Science, the Application. 2nd Annual North Dakota Reclamation Conference, February 24-25, 2014, Dickinson, ND. (Schladweiler, Stroh, Geaumont, **Wic**k-moderator; 220 attendees)

National Conference on Cover Crops and Soil Health Broadcast Summit. February 18, 2014, Fargo, ND (**Wick**, Gustafson; 15 attendees)

North Dakota Soil Judging, September 19-20, 2013, Menoken, ND. Funded by PSCAND, supported by ND SARE (Duey, Perry, Thomson, DeFoe, Bott, Finocchiaro, Gorman, Samson-Liebig, Ulmer, Heidt, Anderson, **Wick;** 120 attendees)

Saline Soil Field Tour, September 5, 2013, Grand Forks, ND. Funded by EPA 319 (**Wick**, Olson, Bjorg, DeSutter coordinators; 75 attendees).

Saline and Sodic Soil Field Tour, August 22, 2013, Mooreton, ND. Funded by ND Corn Council, Richland County Soil Conservation District and the NRCS (**Wick**, Goltz, DeSutter, LaPlante coordinators; 220 attendees).

Soil Health and Land Management in Southwest ND, NDSU Hettinger Research Extension Center, March 19-20, 2013, Hettinger, ND. Funded by NCR-SARE (Geaumont, **Wick** coordinators; 40 attendees).

Whole Systems Approach to Management, NDSU Carrington Research Extension Center, March 12, 2013, Carrington, ND. Funded by NCR-SARE (**Wick** coordinator; 45 attendees).

Reclamation-Bringing Ideas Together, Beisiot Activity Center, Dickinson State University, February 27, 2013, Dickinson, ND (**Wick**, Geaumont, Stroh, Schladweiler on planning committee; 225 attendees).

Soil Health Concepts and Success Stories, NDSU Carrington Research Extension Center, February 12, 2013. Carrington, ND. Funded by NCR-SARE (**Wick** coordinator; 45 attendees).

Soil Health in North Central ND, NDSU North Central Research Extension Center, January 29, 2013, Minot, ND. Funded by NCR-SARE (Augustin, **Wick** coordinators; 60 attendees).

Soil Health In Service Workshop, NDSU Langdon Research Extension Center, December 6, 2012, Langdon, ND. Funded by NCR-SARE (Kalwar, **Wick** coordinators; 100 attendees).

Soil Health Tour, NDSU Extension Service in cooperation with the Wild Rice Soil Conservation District and USDA-NRCS, October 30, 2012, Forman, ND. Funded by NCR-SARE (Franzen, **Wick** coordinators; 50 attendees).

**CAFÉ TALKS COORDINATED (DISCUSSION-BASED MEETINGS)**

***Total Meetings: 114, Attendees: 1,693, Hours Face-to-Face: 296***

Soil Health Café Talk – Velva, host: Greg Endres, guest: Chris Augustin, March 24, 2020, Velva, ND ***\*cancelled due to COVID-19***

Soil Health Café Talk – Maddock, host: Naeem Kalwar, guest: Greg Endres, March 19, 2020, Maddock, ND ***\*cancelled due to COVID-19***

Soil Health Café Talk – Velva, host: Mary Keena, Mike Ostlie, guest: Kevin Sedivec, March 18, 2020, Velva, ND ***\*cancelled due to COVID-19***

Soil Health Café Talk – New Rockford, host: Mary Keena, Mike Ostlie, guest: Kevin Sedivec, March 5, 2020, New Rockford, ND (26 people; 3 hours)

Soil Health Café Talk – Wishek, host: Mary Keena, Mike Ostlie, guest: Kevin Sedivek, Marisol Berti, March 4, 2020, Wishek, ND (22 people; 3 hours)

No-Till Support Meeting – Larimore, host: Abbey Wick, February 20, 2020, Larimore, ND (6 people; 3 hours)

Soil Health Café Talk – New Rockford, host: Greg Endres, guest: Abbey Wick, Dave Franzen, February 18, 2020, New Rockford, ND (22 people; 3 hours)

Soil Health Café Talk – Cooperstown, host: Luke Ressler, guest: Gerald Stokka, February 13, 2020, Cooperstown, ND (17 people, 3 hours)

Soil Health Café Talk – Langdon, host: Naeem Kalwar, guest: Joe Ikley, Lesley Lubenow, Brian Jenks, Venkata Chapara, February 12, 2020, Langdon, ND ***\*rescheduled to March 13 because of weather*** (14 people, 2 hours)

Soil Health Café Talk – Drayton, host: Naeem Kalwar, guest: Tom Peters, February 11, 2020, Drayton, ND (29 people; 2 hours)

Soil Health Café Talk – Park River, host: Naeem Kalwar, guest: Abbey Wick, February 6, 2020, Park River, ND (39 people, 3 hours)

Soil Health Café Talk – Jamestown, host: Abbey Wick, guest: Greg Endres, February 3, 2020, Jamestown, ND (21 people; 4 hours)

No-Till Support Meeting – Fargo, host: Abbey Wick, January 31, 2020, Fargo, ND (25 people; 6 hours)

Soil Heatlh Café Talk – Walhalla, host: Naeem Kalwar, guest: Lesley Lubenow, Kevin Sedivec, January 30, 2020, Walhalla, ND (15 people; 2 hours)

Soil Health Café Talk – Casselton, host: Luke Ressler, guest: Aaron Daigh, January 29, 2020, Casselton, ND (25 people, 4 hours)

Soil Health Café Talk – Oakes, host: Abbey Wick, guest: Greg Endres, January 28, 2020, Oakes, ND (20 people; 3 hours)

Soil Health Café Talk – Michigan, host: Naeem Kalwar, guest: Kevin Sedivec, January 28, 2020, Michigan, ND (19 people; 2 hours)

Soil Health Café Talk – Wishek, host: Greg Endres, guest: Dave Franzen, January 23, 2020, Wishek, ND (25 people; 2 hours)

No-Till Support Meeting – Larimore, host: Abbey Wick, January 23, 2020, Larimore, ND (15 people; 4 hours)

Soil Health Café Talk – Rocklake, host: Naeem Kalwar, guest: Miranda Meehan, Kevin Sedivec, January 22, 2020, Rocklake, ND (25 people, 2 hours)

Soil Health Café Talk – Crystal, host: Naeem Kalwar, guest: Miranda Meehan, Mary Keena, January 21, 2020, Crystal, ND (34 people; 2 hours)

Soil Health Café Talk – Hope, host: Abbey Wick, January 16, 2020, Hope, ND (25 people; 3 hours)

Soil Health Café Talk – Devils Lake, host: Naeem Kalwar, guest: Kevin Sedivec, January 15, 2020, Devils Lake, ND (17 people; 3 hours)

Soil Health Café Talk – Wahpeton, host: Luke Ressler, guest: Aaron Daigh, Abbey Wick, January 15, 2020, Wahpeton, ND (61 people; 2 hours)

Soil Health Café Talk – Drayton, host: Abbey Wick, guest: Joe Ikley, January 14, 2020, Drayton, ND (20 people; 3 hours)

Soil Health Meeting – Leonard, host: Tyler Zimmerman, Chris Walberg, guest: Abbey Wick, Joe Breker, Lee Briese, Nick Toussaint, Jordan Wyum, January 13, 2020, Leonard, ND (45 people; 5 hours)

No-Till Support Meeting – Fargo, host: Abbey Wick, January 10, 2020, Fargo, ND (20 people; 6 hours)

Soil Health Café Talk – Jamestown, host: Abbey Wick, guest: Marisol Berti, Joe Ilkey, June 20, 2019, Jamestown, ND (40 people: 3 hours)

Soil Health Café Talk – Gwinner, host: Abbey Wick, guest: Dave Franzen, Marisol Berti, Joe Ilkey, June 18, 2019, Gwinner, ND (26 people: 3 hours)

Soil Health Café Talk – Valley City, host: Abbey Wick, guest: Dave Franzen, Marisol Berti, Joe Ilkey, June 17, 2019, Valley City, ND (28 people: 2 hours)

Soil Health Café Talk – Casselton, host: Abbey Wick, guest: Dave Franzen, Marisol Berti, Joe Ilkey, June 17, 2019, Casselton, ND (26 people: 2 hours)

No Till Support Group – South, Abbey Wick, Dave Franzen, Mike Ostlie, Steve Zwinger, February 21, 2019, Fargo, ND (15 attendees; 3 hours)

No Till Support Group – North, Abbey Wick and Dave Franzen, February 19, 2019, Lakota, ND (15 attendees; 3 hours)

Eddy County Soil Health Discussion, Abbey Wick and Dave Franzen, February 14, 2019, New Rockford, ND (12 attendees; 4 hours)

Soil Health Café Talk – Larimore, host: Luke Ressler, guest: Naeem Kalwar, Dave Franzen, February 7, 2019, Larimore, ND ***\*cancelled due to weather***

Soil Health Café Talk – Hillsboro, host: Abbey Wick, February 7, 2019, Hillsboro, ND ***\*cancelled due to weather***

Soil Health Café Talk – Park River, host: Luke Ressler, guest: Naeem Kalwar, Marisol Berti, Kevin Sedivec, February 5, 2019, Park River, ND (25 people; 2 hours)

Soil Health Café Talk – Edgeley, host: Abbey Wick, February 5, 2019, Edgeley, ND (20 people; 3 hours)

Soil Health Café Talk – Cooperstown, host: Luke Ressler, January 31, 2019, Cooperstown, ND (34 people; 3 hours)

Soil Health Café Talk – Kindred, host: Abbey Wick, guest: Tom Peters, January 31, 2019, Kindred, ND (28 people; 3 hours)

Soil Health Café Talk – Jamestown, host: Luke Ressler; guest: Marisol Berti, Kevin Sedivec, January 29, 2019, Jamestown, ND ***\*cancelled due to weather***

Soil Health Café Talk – Lidgerwood, host: Abbey Wick, guest: Joel Ransom, January 29, 2019, Lidgerwood, ND ***\*cancelled due to weather***

No Till Support Group – South, Abbey Wick, Dave Franzen, Caley Gasch, Joe Ikely, January 24, 2019, Fargo, ND (15 attendees; 3 hours)

No Till Support Group – North, Abbey Wick and Dave Franzen, January 22, 2019, Lakota, ND (15 attendees; 3 hours)

Eddy County Soil Health Discussion, Abbey Wick and Kevin Sedivec, January 18, 2019, New Rockford, ND (12 attendees; 4 hours)

Soil Health Café Talk – Larimore, host: Abbey Wick, guest: Naeem Kalwar, Greg Endres, January 17, 2019, Larimore, ND (41 people; 3 hours)

Soil Health Café Talk – Hillsboro, host: Luke Ressler, guest: Jay Goos, January 17, 2019, Hillsboro, ND (30 people; 3 hours)

Soil Health Café Talk – Park River, host: Abbey Wick, guest: Naeem Kalwar, Jay Goos, Berlin Nelson, January 15, 2019, Park River, ND (56 people; 3 hours)

Soil Health Café Talk – Edgeley, host: Luke Ressler, guest: Caley Gasch, January 15, 2019, Edgeley, ND (13 people; 2 hours)

Soil Health Café Talk – Cooperstown, host: Abbey Wick, guest: Andrew Friskop, January 10, 2019, Cooperstown, ND (27 people; 3 hours)

Soil Health Café Talk – Kindred, host: Luke Ressler, guest: Dave Franzen, January 10, 2019, Kindred, ND (26 people; 2 hours)

Soil Health Café Talk – Jamestown, host: Abbey Wick; guest: Joe Zeleznik, January 8, 2019, Jamestown, ND (26 people; 3 hours)

Soil Health Café Talk – Lidgerwood, host: Luke Ressler, January 8, 2019, Lidgerwood, ND (20 people; 2 hours)

Pop-Up Soil Health Café Talk – Jamestown, September 5, 2018, Jamestown, ND (6 people; 4 hours)

Soil Health Café Talk – Lamoure, guest: Marisol Berti, February 22, 2018, Lamoure, ND (30 people; 3 hours)

Soil Health Café Talk – McVille, guest: Marisol Berti, February 20, 2018, McVille, ND (20 people; 3 hours)

No-Till Farmer Meeting, February 15, 2018, Fargo, ND (12 people; 4 hours)

Soil Health Café Talk – Lisbon, guest: Dave Franzen, January 30, 2018, Lisbon, ND (39 people; 3 hours)

Soil Health Café Talk – Park River, guest: Dave Franzen, January 29, 2018, Park River, ND (87 people; 3 hours)

Soil Health Café Talk – Jamestown, guest: Kevin Sedivec, January 25, 2018, Jamestown, ND (26 people; 4 hours)

Soil Health Café Talk – Lamoure, guest: Kevin Sedivec, January 23, 2018, Lamoure, ND (36 people; 4 hours)

No-Till Farmer Meeting, guest: Dave Franzen, January 18, 2018, Fargo, ND (20 people; 4 hours)

Soil Health Café Talk – McVille, guest: Kevin Sedivec, Miranda Meehan, January 16, 2018, McVille, ND (36 people; 3 hours)

Soil Health Café Talk – Rutland, January 10, 2018, Rutland, ND (12 people; 3 hours)

Soil Health Café Talk – Lisbon, guest: Miranda Meehan, Mary Berg, January 9, 2018, Lisbon, ND (16 people; 3 hours)

No-Till Farmer Meeting – Lakota, August 2, 2017, Lakota, ND (6 people; 4 hours)

Soil Health Café Talk – Jamestown, February 24, 2017, Jamestown, ND (10 people; 4 hours).

Soil Health Café Talk – Kulm, guest: Caley Gasch, February 23, 2017, Kulm, ND (11 people; 4 hours).

No-Till Farmer Meeting, February 21, 2017, Fargo, ND (14 people; 4 hours)

Soil Health Café Talk – Lakota, guest: Miranda Meehan, Marisol Berti, February 16, 2017, Lakota, ND (12 people; 4 hours).

Soil Health Café Talk – Colfax, February 15, 2017, Colfax, ND (16 people; 4 hours).

Soil Health Café Talk – Fort Ransom, guest: Daryl Ritchison, February 14, 2017, Fort Ransom, ND (15 people; 4 hours).

Soil Health Café Talk – Jamestown, guest: Mary Berg, Miranda Meehan, February 10, 2017, Jamestown, ND (17 people; 4 hours).

Soil Health Café Talk – Kulm, guest: Dave Franzen, February 9, 2017, Kulm, ND (15 people; 4 hours).

Soil Health Café Talk – Lakota, guest: Caley Gasch, February 3, 2017, Lakota, ND (11 people; 4 hours).

Soil Health Café Talk – Fort Ransom, guest: Dave Franzen, January 31, 2017, Fort Ransom, ND (15 people; 4 hours).

Soil Health Café Talk – Jamestown, guest: Caley Gasch, January 27, 2017, Jamestown, ND (12 people; 4 hours).

Soil Health Café Talk – Kulm, guest: Daryl Ritchison, January 26, 2017, Kulm, ND (16 people; 4 hours).

No-Till Farmer Meeting, January 24, 2017, Fargo, ND (13 people; 4 hours)

Soil Health Café Talk – Lakota, guest: Dave Franzen, January 19, 2017, Lakota, ND (29 people; 4 hours).

Soil Health Café Talk – Fort Ransom, guests: Caley Gasch and Miranda Meehan, January 17, 2017, Fort Ransom, ND (21 people; 3 hours)

Soil Health Café Talk – Colfax, guests: Jay Goos and Caley Gasch, January 12, 2017, Colfax, ND (28 people; 3 hours)

Soil Health Café Talk – Milnor, guest: Mary Berg (CREC), January 5, 2017, Milnor, ND (24 people; 4 hours)

No-Till Farmer Discussion On-Farm Tour – Thilmony, November 17, 2016, Valley City, ND (12 people; 5 hours)

Soil Health Café Talk, special guest: David Ripplinger); February 23, 2016, Arthur (7 attendees; 3 hours)

Soil Health Café Talk, special guest: David Ripplinger; February 18, 2016, Milnor (15 attendees; 4.5 hours)

Soil Health Café Talk, special guest: Rich Zollinger and Marisol Berti; February 16, 2016, Grand Forks (17 attendees; 3 hours)

Soil Health Shop Talk, Toussaints Farm; January 27, 2016, Wahpeton (12 attendees; 5 hours)

Soil Health Café Talk, special guest: Lee Briese and Allie Marks (Centrol Ag); February 11, 2016, Jamestown (25 attendees; 4.5 hours)

No-Till Producers in the Valley Meeting, special guests: Blake Vince, Woody Van Arkel, Tyler Vollmershausen (Ontario) to discuss cover cropping and conservation tillage approaches to farming; January 21, 2016, Rutland (20 attendees; 4 hours)

Soil Health Café Talk, January 15, 2016, Grand Forks (12 attendees; 3 hours)

Soil Health Café Talk, special guest: Lee Briese and Allie Marks (Centrol Ag), Marisol Berti (cover crops); January 14, 2016, Jamestown (23 attendees; 4 hours)

Soil Health Café Talk, special guest: Marisol Berti (cover crops); January 12, 2016, Arthur (15 attendees; 3 hours)

Soil Health Café Talk, special guest: Lee Briese (cover crops), Allie Marks (cover crops) and Marisol Berti (cover crops); January 5, 2016, Milnor (15 attendees; 5.5 hours)

No-Till Producers in the Valley Meeting, special guests: Brendon Rockey and Woody Thorpe (soilguys.com) to discuss biotic approaches to farming; February 27, 2015, Fargo (20 attendees)

Soil Health Café Talk, special guest: Lee Briese (weed management); February 19, 2015, Wahpeton (12 attendees; 3 hours)

Soil Health Café Talk, special guest: Lee Briese (weed management); February 19, 2015, Milnor (14 attendees; 3 hours)

Soil Health Café Talk, special guest: Rich Zollinger (weed management); February 12, 2015, Thompson (24 attendees; 3 hours)

Soil Health Café Talk, special guest: Rich Zollinger (weed management); February 12, 2015, Hillsboro (6 attendees; 2 hours)

No-Till Producers in the Valley Meeting, special guests: Lance Gulleson (crop insurance agent), Gary Luebke (RMA), Dave Franzen (fertility), Joel Ransom (agronomy) to discuss inter-seeding into cover crops; February 6, 2015, Fargo (25 attendees)

Soil Health Café Talk, special guest: Marisol Berti (cover crops); February 5, 2015, Wahpeton (15 attendees; 2 hours)

Soil Health Café Talk, special guest: Marisol Berti (cover crops); February 5, 2015, Milnor (15 attendees; 3 hours)

Soil Health Café Talk, January 22, 2015, Wahpeton (10 attendees; 2 hours)

Soil Health Café Talk, special guest: Tom DeSutter; January 22, 2015, Milnor (16 attendees; 3 hours)

No-Till Producers in the Valley Meeting, special guest: Dave Franzen to discuss fertility options in no-till systems; January 16, 2015, Fargo (15 attendees)

Soil Health Café Talk, special guest: Berlin Nelson (plant pathology); January 15, 2015, Grand Forks (10 attendees; 2 hours)

Soil Health Café Talk, special guest: Berlin Nelson (plant pathology); January 15, 2015, Hillsboro (8 attendees; 2 hours)

Soil Health Café Talk, special guest: Berlin Nelson (plant pathology); January 8, 2015, Wahpeton (16 attendees; 2 hours)

Soil Health Café Talk, special guest: Berlin Nelson (plant pathology); January 8, 2015, Milnor (16 attendees; 2 hours)

Cover Crop Question and Answer, July 1, 2014, Wahpeton (shop talk, 8 attendees)

No-till producer meeting, April 30, 2014, Lisbon (on-farm, 5 attendees)

Soil Health Cafe Talk, March 20, 2014, Wyndmere (8 attendees), Mooreton (13 attendees; 2 hours)

Soil Health Café Talk, special guest: Aaron Daigh; March 6, 2014, Wyndmere (6 attendees), Mooreton (5 attendees; 2 hours)

No-Till Producers in the Valley Meeting – Weed Management Focus (Rich Zollinger, guest), February 28, 2014, Fargo (12 attendees)

Soil Health Cafe Talk, special guest: Keith Anderson (NRCS-soil survey); Feb 6, 2014, Wyndmere (9 attendees; 2 hours), Mooreton (10 attendees; 3 hours)

Soil Health Café Talk, special guest: Tom DeSutter; Jan 23, 2014, Wyndmere (6 attendees; 2 hours), Mooreton (6 attendees; 2 hours)

Soil Health Café Talk – sharing information about effectively using cover crops and transitioning to no-till, Jan 15, 2014, Havana (Coteau des Prairies Lodge; 14 attendees)

Soil Health Café Talk, Jan 9, 2014, Wyndmere (10 attendees; 2 hours), Mooreton (15 attendees; 2 hours)

No-Till Producers in the Valley Meeting, December 13, 2013, Fargo (10 attendees)

**EXTENSION PRESENTATIONS**

***Total: 298, Attendees: 26,348***

**Wick, A.F.** 2020. SHARE Farm Projects. ND Wheat Commission Meeting, March 4, Fargo, ND (15 attendees)

**Wick, A.F.** 2020. Soil Health Practices. Pioneer Seed Meeting, February 28, Grand Forks, ND (20 attendees)

**Wick, A.F.** 2020. Soil Health Practices. Pioneer Seed Meeting, February 27, Fargo, ND (20 attendees)

**Wick, A.F.** 2020. Soil Health Practices. Steele Co Crop Improvement Meeting, February 26, Hatton, ND (40 attendees)

**Wick, A.F.,** T. Wagner, M. Jacobs.2020. Soil Health Farmer Panel. Farming and Ranching for the Bottom Line, February 25, Bismarck, ND (400 attendees)

**Wick, A.F.** 2020. Soil Health Practices in Corn-Soybean Rotations. University of Nebraska Soil Health Workshop, February 13, Mead, NE (150 attendees)

**Wick, A.F.** 2020. SARE Project, Working Alongside Farmers. SARE Workshop, January 24, Fargo, ND (40 attendees)

**Wick, A.F.** 2020. Aggregation. Soil and Water Workshop, January 22, Fargo, ND (150 attendees)

**Wick, A.F.** 2020. Getting Started with Soil Health. Leonard Soil Health Meeting, January 13, Leonard, ND (45 attendees).

**Wick, A.F.** 2020. Farm to Table Dinner Idea. No Till Support Group Meeting, January 10, Fargo, ND (15 attendees).

**Wick, A.F.** 2019.Closing Remarks DIRT. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 11, Fargo, ND (150 attendees).

**Wick, A.F.** 2019.Stacking Tools for Soil Health. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 11, Fargo, ND (60 attendees).

**Wick, A.F.** 2019.Moderate Panel: Notable Moments and Tips from Early Adopters of Soil Health Practices. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 11, Fargo, ND (100 attendees).

**Wick, A.F.,** L. Shaw**.** 2019. Farmer Led Learning and Outreach. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 10, Fargo, ND (60 attendees).

**Wick, A.F.** 2019.Moderating Panel: Approaches with Variations of Tillage and Use of Cover Crops. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 10, Fargo, ND (100 attendees).

**Wick, A.F.** 2019. Welcome to DIRT. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 10, Fargo, ND (225 attendees).

**Wick, A.F.** 2019. Farmer Show and Tell. Dakota Innovation Research and Technology (DIRT) Workshop, Dec. 9, Fargo, ND (100 attendees).

**Wick, A.F.** 2019. Cover Crop Applications and Benefits. Ag Expo, December 3, Fargo, ND (100 attendees).

**Wick, A.F.** 2019. Network Based Approaches for Soil Health in North Dakota, American Society of Agronomy National Meeting, invited presentation, San Antonio, TX (30 attendees).

**Wick, A.F.** 2019. Including a Perennial Cover Crop in an Annual Cropping System. Soil Health Tour for NDSCS, Fairmount, ND (20 attendees).

**Wick, A.F.** 2019. Getting Started with On-Farm Soil Health Practices. Soil Health Tour for NDSCS, Fairmount, ND (20 attendees).

**Wick, A.F.** 2019. No Barley No Beer Program Pitch. NDSU Extension Fall Conference, Fargo, ND (250 attendees).

**Wick, A.F.** 2019. NDSU Soil Health Program Update. Extension Specialists Meeting, Fargo, ND (25 attendees).

**Wick, A.F.** 2019. Soil Health Property Comparison in Two Soil Pits. Leonard Soil Health Tour, September 26, Leonard, ND (20 attendees).

**Wick, A.F.** 2019. Assessing Soil Health in the Field. Leonard Soil Health Tour, September 26, Leonard, ND (20 attendees).

**Wick, A.F.,** M. Berti. 2019. Soil Health and Cover Crops. Cover Crops Field Day, September 17, Fargo, ND (75 attendees).

**Wick, A.F.** 2019. Soil Health Practices Farmers are Adopting. Coteau Des Prairies Farm to Table Field Tour, August 29, Rutland, ND (15 attendees).

**Wick, A.F.** 2019. Small Group Education and Facilitation. Innovation Coffee Break, NDSU Extension Skype Meeting, August 22, Fargo, ND (15 attendees).

**Wick, A.F.** 2019. Worms for Soil Health. Red River Zoo Agriculture Adventure Day, August 17, Fargo, ND (1,500 attendees).

**Wick, A.F.** 2019. Salinity Management. Soil Health in North Dakota Tour for Canadian Farmers and Educators, August, 15, Jamestown, ND (20 attendees).

**Wick, A.F.** 2019. Interseeding Corn and Cover Crops. Soil Health in North Dakota Tour for Canadian Farmers and Educators, August 14, Rutland, ND (20 attendees).

**Wick, A.F.** 2019. SHARE Farm Project Research and Extension. Soil Health in North Dakota Tour for Canadian Farmers and Educators, August 13, Mooreton, ND (20 attendees).

**Wick, A.F.** 2019. Managing High Clay Soils with Soil Health Practices. Soil Health in North Dakota Tour for Canadian Farmers and Educators, August 13, Wahpeton, ND (20 attendees).

**Wick, A.F.** 2019. Soil Health Practices and Programs at NDSU. Pioneer Representatives Meeting, August 6, Rutland, ND (50 attendees).

**Wick, A.F.** 2019. Soil Health Systems. Carrington Research Extension Center No-Till Farmer Tour, July 17, Carrington, ND (25 attendees).

**Wick, A.F.** 2019. Soil Health Practices. Anheuser Busch Barley Grower Days, July 11, Moorhead, MN (300 attendees).

**Wick, A.F.** 2019. Cover Crop Practices for Short- and Long-Term Advisor and Grower Success. Invited Presentation, Sustainable Agronomy Conference, July 10-11, Omaha, NE (250 attendees).

**Wick, A.F.** 2019. NDSU Soil Health Programming. Soil Health ND-SD meeting, March 19, Mandan, ND (30 attendees).

**Wick, A.F.** 2019. SHARE Farm Project Updates. ND Wheat Commission Annual Research Meeting, March 5, Fargo, ND (20 attendees).

**Wick, A.F.** 2019. On-Farm Applications for Soil Health. International Crops Expo, February 20, Grand Forks, ND (125 attendees).

**Wick, A.F.,** G. Lardy, A. Friskop, P. Beauzay, K. Howatt.2019. Whole Systems Management Discussion. Northern Corn and Soy Expo, February 12, Fargo, ND (350 attendees).

**Wick, A.F.,** L. Ferry, N. Toussaint, B. Toussaint**.** 2019. Soil Health Discussion and Practices. NDSCS Student Discussion, February 11, Wahpeton, ND (20 attendees).

**Wick, A.F.** 2019. Soil Heath, Salinity and Grazing Cover Crops. Grazing Cover Crops Workshop, January 28, Grand Forks, ND (40 attendees).

**Wick, A.F.** 2019. On-Farm Use of Soil Health Building Practices. NDSU Soil and Water Workshop, January 23, Fargo, ND (250 attendees).

**Wick, A.F.** 2019. Soil Health Section of the CCA Training. NDSU Certified Crop Advisor Training, January 4, Fargo, ND (40 attendees).

**Wick, A.F.** 2018. Conference Wrap-Up. Conservation Tillage Conference, December 19, Fargo, ND (350 attendees).

**Wick, A.F.** 2018. Farmer Panel Moderator. Conservation Tillage Conference, December 19, Fargo, ND (350 attendees).

**Wick, A.F.** 2018. Consultant Panel Moderator. Conservation Tillage Conference, December 19, Fargo, ND (200 attendees).

**Wick, A.F.** 2018. Cover Crops and Crop Insurance. Conservation Tillage Conference, December 19, Fargo, ND (attendees 45; delivered three times).

**Wick, A.F.** 2018. SHARE Farm Research and Extension Updates. Conservation Tillage Conference, December 18, Fargo, ND (80 attendees).

**Wick, A.F.** 2018. Cover Crop Ideas from 2018. Conservation Tillage Conference, December 18, Fargo, ND (75 attendees).

**Wick, A.F.** 2018. Welcome. Conservation Tillage Conference, December 18, Fargo, ND (350 attendees).

**Wick, A.F.** 2018. Using Soil Health Practices On-Farm. Central Dakota Ag Day, December 13, Carrington, ND (75 attendees).

Endres, G., M. Vig, **A.F. Wick.** 2018. Cover Crop ID and Use. Central Dakota Ag Day, December 13, Carrington, ND (15 attendees).

**Wick, A.F.** 2018. Getting Started with Soil Health Discussion. Central Dakota Ag Day, December 13, Carrington, ND (15 attendees).

**Wick, A.F.** 2018. Using Soil Health Building Practices in Sunflowers. Sunflower U, December 11, Bismarck, ND (100 attendees).

**Wick, A.F.** 2018. Cover Crops with Potatoes. Black Gold Potatoes, December 6, Grand Forks, ND (40 attendees).

**Wick, A.F.** 2018. SHARE Farm in the North Project. ND Corn Council Research Meeting, December 4, Fargo, ND (35 attendees).

**Wick, A.F.** 2018. SHARE Farm Project. ND Corn Council Research Meeting, December 4, Fargo, ND (35 attendees).

**Wick, A.F.,** D. Franzen.2018. An In Depth Look at Using Cover Crops. AgExpo, November 28, Fargo, ND (80 attendees).

**Wick, A.F.,** J. Breker.2018. Soil Health Q and A Session. ND Soil Conservation Districts Annual Meeting, November 19, Bismarck, ND (65 attendees).

**Wick, A.F.** 2018. Managing Salinity. ND Soil Conservation Districts Annual Meeting, November 19, Bismarck, ND (75 attendees).

**Wick, A.F.** 2018. Soil Health Update. Sugarbeet Council Research Meeting, November 14, Fargo, ND (50 attendees).

**Wick, A.F.** 2018. SHARE Farm in the North Project. ND Soybean Council Research Meeting, November 14, Fargo, ND (25 attendees).

**Wick, A.F.** 2018. SHARE Farm Project. ND Soybean Council Research Meeting, November 14, Fargo, ND (25 attendees).

**Wick, A.F.** 2018. SHARE Farm Cover Crops and Reduced Tillage. NDSCS Student Field Tour, October 22, Mooreton, ND (45 attendees).

**Wick, A.F.** 2018. Getting Started with Soil Health – Toussaint Field. NDSCS Student Field Tour, October 22, Dwight, ND (45 attendees).

**Wick, A.F.** 2018. NDSU Approach to Soil Health.Man-Dak Zero Till Early Years Reunion, October 16-17, Rutland, ND (35 attendees).

**Wick, A.F.** 2018. Soil Health Extension Updates. NDSU Soil Health Advisory Meeting, September 27, Fargo, ND (20 attendees).

**Wick, A.F.** 2018. Cover Crops and Soil Health.Cover Crops Field Day, September 18, Fargo, ND (60 attendees).

**Wick, A.F.** 2018. NDSU Extension Efforts in Soil Health.Senator Heitkamp and Howard Buffet Visit, September 14, Fargo, ND (25 attendees).

**Wick, A.F.** 2018. Soil Health in Agriculture, Farm to Table Dinner at the Coteau des Prairies Lodge, August 30, Rutland, ND (100 attendees).

J. Breker**, A.F. Wick.** 2018. Alternative Uses for Cover Crops and Forage Opportunities, Cover Crop Field Day, August 28, Rutland, ND (100 attendees).

J. Breker**, A.F. Wick.** 2018. Biostrip Till Following Wheat, Cover Crop Field Day, August 28, Rutland, ND (100 attendees).

**Wick, A.F.** 2018. Welcome, Cover Crop Field Day, August 28, Rutland, ND (100 attendees).

**Wick, A.F.** 2018. Extension Programs with the SHARE Farm Project, The North Central Soybean Research Program Annual Meeting, August 8, Mooreton, ND (45 attendees).

**Wick, A.F.** 2018. The SHARE Farm Concept, The North Central Soybean Research Program Annual Meeting, August 8, Mooreton, ND (45 attendees).

**Wick, A.F.** 2018. Managing Sandy Soils, Soil Health Bus Tour, July 26, Jamestown, ND (75 attendees).

A. Marks, **A.F. Wick.** 2018. Salinity Management – Soil Pit, Soil Health Bus Tour, July 26, Jamestown, ND (75 attendees).

M. Hoenhause, D. Franzen, **A.F. Wick.** 2018. Interseeding Corn and Equipment, Soil Health Bus Tour, July 25, Lisbon, ND (75 attendees).

C.K. Gasch, **A.F. Wick.** 2018. Organic Matter and Decomposition, Soil Health Bus Tour, July 25, Valley City, ND (75 attendees).

**Wick, A.F.** 2018. Worms for Soil Health, Agriculture Adventure Day, July 14, Fargo, ND (1,500 attendees).

**Wick, A.F.** 2018. Soil Health Concepts, Harvest Hope Farm Summer Camp, July 11, Moorhead, MN (25 attendees).

**Wick, A.F.** 2018. Understanding Soil Health from a Soil Pit, Walsh County Soil Health Extravaganza Tour, June 28, Park River, ND (75 attendees).

**Wick, A.F.** 2018. Using Cover Crops, Walsh County Soil Health Extravaganza Tour, June 28, Park River, ND (75 attendees).

**Wick, A.F.** 2018. SHARE Farm Soil Health Program in North Dakota, USDA-NIFA Liaison Visit to North Dakota, June 13, Mooreton, ND (12 attendees).

**Wick, A.F.** 2018. Cover Crops on the Toussaint Farm, Soil Health Tour of Toussaint Farm, June 6, Wahpeton, ND (20 attendees).

**Wick, A.F.** 2018. Soil Health for Kids, Holy Spirit School Soil Health Activity Day, June 1, Fargo, ND (20 attendees).

**Wick, A.F.** 2018. NDSU Soil Health Update, NRCS Soil Science Division and Soil Health Division Advisory Board Meeting, April 24, Bismarck, ND (50 attendees).

**Wick, A.F.** 2018. Children’s Zoo Farm at the Red River Zoo, Fargo Moorhead Chamber of Commerce AgriBusiness Meeting, April 10, Moorhead, MN (20 attendees).

**Wick, A.F.** 2018. Tips for On-Farm Use of Cover Crops, NRCS SCD Table Talk Meeting, March 27, Manvel, ND (40 attendees).

**Wick, A.F.** 2018. Children’s Zoo Farm at the Red River Zoo, CommonGround Meeting, March 22, Fargo, ND (20 attendees).

**Wick, A.F.** 2018. Tips from On-Farm Cover Crop Trials, Midwest Cover Crops Council Annual Meeting, March 14, Fargo, ND (50 attendees).

**Wick, A.F.** 2018. Closing Keynote, Daryl Ritchison, Midwest Cover Crops Council Annual Meeting, March 14, Fargo, ND (225 attendees).

**Wick, A.F.** 2018. Opening Keynote, Clark Seavert, Midwest Cover Crops Council Annual Meeting, March 14, Fargo, ND (225 attendees).

**Wick, A.F.** 2018. Opening Keynote, Ray Weil, Midwest Cover Crops Council Annual Meeting, March 13, Fargo, ND (225 attendees).

**Wick, A.F.,** L. Briese, C. Gasch, M. Hoenhause, T. Wehlander.2018. Practical Approaches for Cover Crops and Soil Health. Commodity Classic, February 28, Anaheim, CA (200 attendees).

**Wick, A.F.** 2018. Where to incorporate cover crops in your rotation. MinnDak Sugar Beet Coop Grower Meeting, February 16, Wahpeton, ND (75 attendees).

**Wick, A.F.,** J. DeJong-Hughes. 2018. Soil Health Session. Advanced Crop Advisors Workshop, February 14, Fargo, ND (150 attendees).

**Wick, A.F.**, L. Briese, A. Marks, M. Huso. 2018. Tips and Tricks for Soil Health, North Dakota Corn and Soybean Expo, February 13, Fargo, ND (500 attendees).

**Wick, A.F.** 2018.Improving Trafficability with Soil Health Building Practices, NDSCS Student-Farmer Mentoring Meeting, February 1, Rutland, ND (25 attendees).

**Wick, A.F.** 2018. Welcome. Grazing Cover Crops Workshop, January 22, Rutland, ND (85 attendees).

**Wick, A.F.** 2018. Tips and Tricks for Cover Crops. Soil and Water Workshop, January 17, Fargo, ND (250 attendees).

**Wick, A.F.** 2017. Cover Crops. Conservation Tillage Conference, December 5-6, Willmar, MN (75 attendees)

**Wick, A.F.** 2017. Salinity Management, Conservation Tillage Conference, December 5-6, Willmar, MN (50 attendees)

**Wick, A.F.** 2017. SHARE Farm. ND Soybean Council Research Summit, November 15, Fargo, ND (15 attendees)

**Wick, A.F.** 2017. Timing of Planting Cover Crops. Cover Crop Field Talk, October 20, Rutland, ND (30 attendees)

**Wick, A.F.** 2017. Managing Salinity. NDSCS Field Day, October 19, Delamere, ND (85 attendees)

**Wick, A.F.** 2017. Fitting Cover Crops in Rotation. NDSCS Field Day, October 17, Wahpeton, ND (85 attendees)

**Wick, A.F.** 2017. Soil Health and Cover Crops. Hannaford Field Day, September 19, Hannaford, ND (20 attendees)

**Wick, A.F.** 2017. Setting Soil Health Goals. Peterson Farm Seed Field Day, September 7, Harwood, ND (250 attendees)

**Wick, A.F.,** S. Jacobson.2017. Agriculture in the City. ND Soybean Council Meeting, September 6, Fargo, ND (20 attendees)

**Wick, A.F.** 2017. Soil Health Discussion Group. ND Corn Council Workshop, August 23, Oakes, ND (20 attendees)

**Wick, A.F.** 2017. Children’s Zoo Farm at the Red River Zoo. NCR-SARE Visit, August 18, Fargo, ND (9 attendees)

**Wick, A.F.** 2017. NDSU SARE Project Update. NCR-SARE Visit, August 14, Gardner, ND (15 attendees)

**Wick, A.F.** 2017. What to do for Different Soil Health Issues. North Dakota Farm Bureau meeting, August 9, Rutland, ND (15 attendees)

**Wick, A.F.** 2017. Soil Health and Cover Crops. Northern Plains Hail School, August 8, Fargo, ND (100 attendees)

**Wick, A.F.** 2017. Soil Health and Cover Crops. Peterson Farm Seed/Common Ground Banquet in a Field, August 1, Harwood, ND (100 attendees)

**Wick, A.F.** 2017. Fitting Cover Crops into a System. Cover Crop and Grazing Field Day, July 25, Gardner, ND (65 attendees)

**Wick, A.F.** 2017. Soil Health and Agriculture for Urban Families. Agriculture Adventure Day, July 22, Fargo, ND (100 of the 2,300 attendees)

**Wick, A.F.** 2017. Soil Health (soil pit). Barley Grower Days – Anheiser Busch Field Day, July 20, Moorehead, MN (250 attendees)

**Wick, A.F.** 2017. What to do for Different Soil Health Issues. Field Tour for ND Corn Council/Growers, July 11, Oakes, ND (50 attendees)

**Wick, A.F.** 2017. Agriculture in the City. ND Corn Council/Growers Meeting, July 11, Oakes, ND (50 attendees)

**Wick, A.F., D. Franzen.** 2017. When to Sentence a Cover Crop to Death. Soil Health Field Day, June 26, Morris, MN (220 attendees)

**Wick, A.F.** 2017. Background on Soil Health Practices Farmers are Using. Farmer-Landlord Field Day, June 19, Mooreton, ND (15 attendees)

**Wick, A.F.** 2017. SHARE Farm Update. NRCS Annual Meeting, April 12, Fargo, ND (50 attendees)

**Wick, A.F.** 2017. SHARE Farm Funding Presentation. ND Wheat Commission Meeting, March 29, Fargo, ND (15 attendees)

**Wick, A.F.** 2017. Cover Crops. Oakes Airport Meeting, March 23, Oakes, ND (65 attendees)

**Wick, A.F.**, C. Gasch. 2017. Soil Health. Winfield Meeting, March 16, Fargo, ND (75 attendees).

**Wick, A.F.** 2017. Sharing Cover Crop Info with Farmers. Cover Crop Workshop, March 8, Fargo, ND (35 attendees)

**Wick, A.F.,** L. Briese, T. Wehlander, N. Goeser. 2017. Soil Health Partnership Panel on Soil Health, Commodity Classic, March 3, San Antonio, TX (200 attendees)

**Wick, A.F. .** 2017. Getting Started with Cover Crops. Soil Health Workshop, February 22, Wyndmere, ND (80 attendees)

**Wick, A.F.,** L. Briese, M. Huso, S. Huso, T. Wehlander**.** 2017. Getting Started with Soil Health Farmer Panel (1.5 hours), February 8, Fargo, ND (340 attendees)

**Wick, A.F.** 2017. Famers using Cover Crops. NDSCS Workshop, February 1, Rutland, ND (35 attendees)

**Wick, A.F.** 2017. Cover Crops. Soil and Water Workshop, January 18, Fargo, ND (220 attendees)

**Wick, A.F.** 2016. Closing Address.Conservation Tillage Conference, December 14, Fargo, ND (330 attendees)

**Wick, A.F.** 2016. Salinity Management Options.Conservation Tillage Conference, December 13, Fargo, ND (35 attendees)

**Wick, A.F.,** B. Toussaint. 2016. Ideas for Getting Cover Crops in Rotation. Conservation Tillage Conference, December 13, Fargo, ND (60 attendees)

**Wick, A.F.,** J. Breker. 2016. Residue Management and Break Down. Conservation Tillage Conference, December 13, Fargo, ND (115 attendees)

**Wick, A.F.** 2016. Welcome. Conservation Tillage Conference, December 13, Fargo, ND (330 attendees)

**Wick, A.F.** 2016. SHARE Farm (Years 5 and 6), December 6, Fargo, ND (35 attendees)

**Wick, A.F.**, D. Franzen. 2016. Farmer Adoption of Cover Crops and Nutrient Credits of Cover Crops. CROPSYS CAP Project Lunch Seminars, December 2, Fargo, ND (20 attendees)

**Wick, A.F.** 2016. Soil Salinity Solutions. Northern Ag Expo, November 30, Fargo, ND (150 attendees)

**Wick, A.F.,** E. Breker, D. Fierstine. 2016. Planting Cover Crops – Improving Productivity. Northern Ag Expo, November 29, Fargo, ND (175 attendees)

**Wick, A.F.** 2016. SHARE Farm Research and Extension, November 2, Mooreton, ND (20 attendees)

**Wick, A.F.,** T. Wagner. 2016. Cover Crop Selection for Rotation, October 27, Eldridge, ND (40 attendees)

**Wick, A.F.,** D. Toussaint. 2016. Soil Health and Cover Crops, October 25, Wahpeton, ND (90 attendees)

**Wick, A.F.** 2016. Cover crop Rooting Depths, October 7, Forman, ND (20 attendees)

**Wick, A.F.** 2016. Cover Crop Selection, October 7, Delamere, ND (65 attendees)

**Wick, A.F.** 2016. Fitting Cover Crops in Rotation, October 4, Fargo, ND (75 attendees)

**Wick, A.F.** 2016. Cover Crops for Weed Management, September 22, Pillsbury, ND (25 attendees)

**Wick, A.F.** 2016. Cover Crops in Rotation, August 31, Jamestown, ND (40 attendees)

**Wick, A.F.** 2016. Salinity Management and Soil Health, August 30, Embden, ND (45 attendees)

**Wick, A.F.** 2016. Cover Crops in Corn, Sugar Beets and after Wheat, Field Day: Using Cover Crops in Rotation, August 4, Fairmount, ND (25 attendees)

**Wick, A.F.** 2016. Cover Crops in Corn, Field Day: Using Cover Crops in Rotation, August 3, Delamere, ND (20 attendees)

**Wick, A.F.** 2016. Establishing Cover Crops in Corn and after Wheat, Field Day: Using Cover Crops in Rotation, August 2, Milnor, ND (15 attendees)

**Wick, A.F.** 2016. Cover Crop Use by Farmers – What I’ve seen across ND, No-Till and Salinity Management, July 27, Lakota, ND (20 attendees)

**Wick, A.F.** 2016. Salinity Management using Cover Crops, No-Till and Salinity Management, July 27, Lakota, ND (20 attendees)

**Wick, A.F.** 2016. Planting Soybean into Cereal Rye, No-Till and Salinity Management, July 27, Lakota, ND (20 attendees)

**Wick, A.F.** 2016. Cover crop benefits for soil health and salinity management, July 21, Cooperstown, ND (25 attendees).

**Wick, A.F.** 2016. Benefits of Using Cover Crops in Sunflower. Field Day: Cover Crops with Sunflower, July 18, Dwight, ND (25 attendees).

**Wick, A.F.** 2016. Establishing Cover Crops in Corn. Field Day: Using Cover Crops in Rotation, July 7, Gardner, ND (40 attendees).

**Wick, A.F.** 2016. Welcome to the SHARE Farm. Soil Health Bus Tour, June 29-30, Wahpeton, ND (135 attendees).

**Wick, A.F.** 2016. Equipment Demonstration for Inter-seeding Cover Crops. Soil Health Bus Tour, June 29-30, Wahpeton, ND (135 attendees).

**Wick, A.F.,** T. DeSutter.2016. Welcome to the Salinity Demonstration Plots. Soil Health Bus Tour, June 29-30, Wahpeton, ND (135 attendees).

**Wick, A.F.,** J. DeJong-Hughes**.** 2016. Planting Soybean and Sunflower into Cereal Rye. Soil Health Bus Tour, June 29-30, Wahpeton, ND (135 attendees).

**Wick, A.F.,** K. Nichols. 2016. Soil Health Projects, Programs and Opportunities.American Soybean Association,State Staff Research Meeting, April 19, Memphis, TN (presented remotely; 35 attendees).

**Wick, A.F.,** T. Wehlander, C. Langseth. 2016. Soil Health to 4th Graders. Lisbon Elementary School, March 11, Lisbon, ND (45 attendees)

**Wick, A.F.** 2016. Setting Up On-Farm Trials.Cover Crop Workshop, March 9-10, Fargo, ND (45 attendees)

**Wick, A.F.** 2016. Soil Health Project Update – the Next Step.ND Ag Consultants Meeting, February 8, Fargo, ND (30 attendees)

**Wick, A.F.** 2016. Soil Health Project Updates.ND Soybean Expo, February 2, Fargo, ND (6 attendees)

**Wick, A.F.** 2016. Welcome.Cover Crops: Farmers Share All, January 22, Rutland, ND (65 attendees)

**Wick, A.F.** 2016. Use of Cover Crops and Other Management Strategies to Reduce Soil Salinity.Soil and Water Workshop, January 20, Fargo, ND (225 attendees)

**A Wick, A.F.,** D. Toussaint.2015. Improving the Top 6” of Soil. Table Talk Session (2x), 11th Annual Conservation Tillage Conference, December 15-16, Willmar, MN (60 attendees)

**Wick, A.F.** 2015. Aggregation and Organic Matter in Reduced Till Systems. Demonstration Session, 11th Annual Conservation Tillage Conference, December 15-16, Willmar, MN (Delivered 5x; 175 attendees)

**Wick, A.F.,** D. Toussaint. 2015. Using Cover Crops to Transition to No-Till. 11th Annual Conservation Tillage Conference, December 15-16, Willmar, MN (75 attendees)

**Wick, A.F.,** D. Toussaint, M. Hoenhause, A. Mack. 2015. Cover Crops as a Bridge to Starting No-Till. Soil Health Mentoring Meeting for NDSCS Students, December 10, Wahpeton, ND (25 attendees; discussion led 3x)

**Wick, A.F.** 2015. Cover Crops for Salinity Management and Other Uses, ND Ag Show, December 1, Fargo, ND (150 attendees)

**Wick, A.F.** 2015. Adopting Cover Crops and No-Till in the Southern Red River Valley, Soil Health Field Day for farmers/educators, October 27 (1:00-4:30), Wahpeton, ND (25 attendees)

**Wick, A.F.** 2015. Adopting Cover Crops and No-Till in the Southern Red River Valley, Soil Health Field Day for NDSCS students, October 27 (9:30-12:00), Wahpeton, ND (40 attendees)

**Wick, A.F.** 2015. Impromptu Presentation: Soil Mycorrhizae, Roots and Aggregates, Cover Crops and No Till in the Valley Field Day, October 21, Gardner, ND (20 attendees)

**Wick, A.F.** 2015. Impromptu Presentation: Indicators of Soil Health. Soil Health, Cover Crop Tour (Sargent County), October 9, Rutland, ND (60 attendees)

**Wick, A.F.** 2015. Cover Crops and Soil Health. Cover Crops Field Day, October 2, Fargo, ND (55 attendees)

**Wick, A.F.,** A. Scheve. 2015. Using Cover Crops to Build Soil Health, Tools and Concepts to Actively Manage Salinity, September 29, Cummings, ND (25 attendees)

**Wick, A.F.** 2015. Benefits of Using Cereal Rye and a Cover Crop, Tools and Concepts to Actively Manage Salinity, September 29, Cummings, ND (25 attendees)

**Wick, A.F.,** M. Knudson. 2015. Soil Pits: Roots. Soil Health Field Day, September 24, Grand Forks, ND (35 attendees)

**Wick, A.F.** 2015. Soil Health and Cover Crops. Tillage, Technology and Residue Field Day, September 10, Morris, MN (presentation given 5x; 35 attendees)

T. Wehlander and **A.F. Wick**. 2015. Cover Crop Options (soil pit). Management of Saline and Sodic Soils Field Day, September 9, Delamere, ND (110 attendees)

**Wick, A.F.** 2015. Welcome to the Soil Health and Tillage Field Day, August 6, Barney, ND (100 attendees)

**Wick, A.F.,** J. DeJong-Hughes. 2015. Tillage Practices to Build Soil Health, Soil Health and Tillage Field Day, August 6, Barney, ND (100 attendees)

**Wick, A.F.,** J. DeJong-Hughes. 2015. Soil Health and Compaction. Park Rapids Field Tour, July 23, Park Rapids, MN (35 attendees)

**Wick, A.F.** 2015. NDSU Extension Programming in Soil Health. National Extension Agent Conference Field Tour, July 10, Mooreton, ND (30 attendees)

Utter, R., **A.F. Wick**. 2015. Worms and Soil Health. Managing for Soil Health Workshop, March 5, Rutland, ND (presentation given 4x; 41 attendees)

**Wick, A.F.** 2015.Cropping Solutions for Salinity Management. International Crop Expo, February 18, Grand Forks, ND (65 attendees)

**Wick, A.F.,** J. Fruechte, D. Toussaint, T. Wehlander. 2015. Cover Crops. Certified Crop Advisors Meeting, February 11, Fargo, ND (presentation given 2x;100 attendees)

**Wick, A.F.,** T. DeSutter. 2015. Saline and Sodic Soil Management. Advanced Crop Advisors Workshop, February 10, Fargo, ND (presentation given 2x; 130 attendees)

**Wick, A.F.** 2015. Who Cares about Soil Health? The Farmers. Advanced Crop Advisors Meeting (pre-workshop). January 9, Fargo, ND (25 attendees)

**Wick, A.F.,** C.M. Heglund**.** 2015. Saline and Sodic Soil Management. Soil and Water Workshop, January 21, Fargo, ND (225 attendees)

**Wick, A.F.** 2015. Soil Health/Soil Biology. AgVise Meeting Circuit, January 6-8, SD, ND, MN. (460 attendees from all three locations)

**Wick, A.F.** 2014. Welcome. Conservation Tillage Conference, December 16-17, Fargo, ND (220 attendees)

**Wick, A.F.,** A. Hoenhause. 2014. Interseeding Cover Crops into Corn. Conservation Tillage Conference, December 16-17, Fargo, ND (60 attendees)

**Wick, A.F.,** A. Hoenhause, M. Hoenhause. 2014. Using Cover Crops to your Advantage. Conservation Tillage Conference, December 16-17, Fargo, ND (75 attendees)

**Wick, A.F.** 2014. Managing for Soil Health (filled in for Shannon Osborne). Conservation Tillage Conference, December 16-17, Fargo, ND (60 attendees)

**Wick, A.F.** 2014. Aggregation and Salinity. South Dakota Soil Health Meeting, December 8, Eden, SD (120 attendees)

**Wick, A.F.** 2014. Research and Extension Efforts at the SHARE Farm Proposal. ND Corn Council, December 3, Fargo, ND (30 attendees)

J. Harmon, **A.F. Wick**. 2014. From the Ground Up: Salinity Management and Pest Pressures Proposal. ND Corn Council, December 3, Fargo, ND (30 attendees)

**Wick, A.F.,** L. Briese. 2014. On Farm Salinity Management Strategies. 44th Annual Northern Ag Expo, December 2, Fargo, ND (100 attendees)

**Wick, A.F.** 2014. Soil Health Issues and Management Approaches – Discussion Based Session. Farmers Union 88th Annual State Convention, November 21-22, Fargo, ND (100 attendees)

**Wick, A.F.** 2014. From the Ground Up: Salinity Management and Pest Pressures Proposal. ND Soybean Council, November 18, Fargo, ND (10 attendees)

**Wick, A.F.** 2014. Research and Extension Efforts at the SHARE Farm Proposal. ND Soybean Council, November 18, Fargo, ND (10 attendees)

**Wick, A.F.** 2014. Multiple Reasons for Using Cover Crops, Sargent Co. Cover Crop Tour, October 23, Forman, ND. (75 attendees)

**Wick, A.F.** 2014. Soil Health Under Different Cover Crop Species, Richland County Cover Crop Tour, October 21, Dwight, ND (15 attendees)

**Wick, A.F.** 2014. Soil Health, Certified Crop Advisor Training for Extension, October 20, Fargo, ND (12 attendees).

**Wick, A.F.** 2014. Salinity Management. Grand Forks Salinity Field Day, September 19, Grand Forks, ND (40 attendees)

**Wick, A.F.,** T. Wehlander. 2014. Looking at Healthy Soils and Cover Crops (soil pit). Management Tools for Saline and Sodic Soils Field Day, September 17, Delamere, ND (120 attendees)

L. Briese, **A.F. Wick.** 2014. Demos to Show How Salts are Moving. Getting a Grip on Salinity Field Day, September 9, Valley City, ND (35 attendees)

**Wick, A.F.** 2014. Why are we Battling Salinity? Getting a Grip on Salinity Field Day, September 9, Valley City, ND (35 attendees)

**Wick, A.F.** 2014. Salinity and Crop Choices. Tools and Concepts to Actively Manage Salinity, September 3, Cummings, ND (30 attendees)

**Wick, A.F.** 2014. Soil Health (as seen in a soil pit). Ransom County Plot Tour, August 28, Lisbon, ND (25 attendees)

**Wick, A.F.** 2014. Welcome. 2nd Annual Soil Health Field Day, August 21, Mooreton, ND (135 attendees)

**Wick, A.F.** 2014. Update at the SHARE Farm. 2nd Annual Soil Health Field Day, August 21, Mooreton, ND (135 attendees)

**Wick, A.F.** 2014. Soil Health (as seen in a soil pit). Sargent County Plot Tour, August 19, Gwinner, ND (35 attendees)

**Wick, A.F.** 2014. Salinity Management. Embden Elevator/Cass Co. Plot Tour, August 12, Embden, ND (10 attendees)

**Wick, A.F.** 2014. Soil Health at the SHARE Farm. Celebrate Educate Energize, Richland County, August 7, Mooreton, ND (50 attendees).

**Wick, A.F.,** L. Briese. 2014. Aggregation and water movement in no-till versus conventionally tilled soils. July 21, Lisbon, ND (21 attendees)

**Wick, A.F.,** H. Weiser. 2014. Organic matter and soil biology in no-till systems. July 21, Lisbon, ND (21 attendees).

**Wick, A.F.,** T.J. Toy and E. Barsness. 2014. Soil Erosion, Simulators, Soil Health and Salinity, July 17, CCSP Demo Farm Tour, Forman, ND (75 attendees)

**Wick, A.F.** 2014. Setting Goals for Cover Crop Use, July 9, Cover Crop 101 Workshop, Hillsboro, ND (35 attendees)

**Wick, A.F**. 2014. Setting Goals for Cover Crop Use, June 30, Cover Crop 101 Workshop, Wahpeton, ND (65 attendees)

DeSutter, T., **A.F. Wick**, C.M. Heglund, Y. He. 2014. The Story of Organic Matter. Expanding Your Horizons Workshop, April 12, University of Minnesota Moorehead, Fargo, ND (40 attendees)

**Wick, A.F.** 2014. Field Measurements for Soil Health. Range, Soils and Beef Day, March 12, Hettinger, ND (20 attendees)

**Wick, A.F.** 2014. Crop and Soil Biological Response to Salinity. Soil Salinity Workshop: Understanding Saline Soils and Production, March 11, Linton, ND (35 attendees)

**Wick, A.F.**, D. Franzen. 2014. Recommendations for NDSU Research and Extension, open forum, Managing for Soil Health Workshop, March 10, Havana, ND (60 attendees)

**Wick, A.F.**, J. DeJong Hughes. 2014. Tillage Options and Soil Health Response, Managing for Soil Health Workshop, March 10, Havana, ND (60 attendees – divided into 4 groups)

**Wick, A.F.,** M. Blawat. 2014. Welcome.Managing for Soil Health Workshop, March 10, Havana, ND (60 attendees)

**Wick, A.F**. 2014. Salinity: Fundamentals, Management and Economics. Land Improvement Seminar sponsored by Agassiz Drain Tile, February 27, Buxton, ND (75 attendees)

Briese, L., **A.F. Wick.** 2014. What’s Your Number: A starting Point for Active Management of Salinity, Soil Health Managing Salinity Workshop sponsored by Eddy and Foster Counties, February 26, Carrington, ND (70 attendees)

**Wick, A.F.,** L. Briese. 2014. Control the Water and you Control the Salts, Soil Health Managing Salinity Workshop sponsored by Eddy and Foster Counties, February 26, Carrington, ND (70 attendees)

**Wick, A.F.** 2014. Welcome Message. What is Successful Reclamation? The Regulations, the Science, the Application, 2nd Annual ND Reclamation Conference, February 24-25, Dickinson, ND (220 attendees)

**Wick, A.F**. 2014. Salinity Research and Extension Efforts. ND Corn Council CornKnowledge Meeting, February 20, Fargo, ND (75 attendees)

**Wick, A.F.** 2014. Impacts of Ghost Salinity on Cropping Systems. International Crop Expo, February 19, Grand Forks, ND (50 attendees)

**Wick, A.F.** 2014. Salinity in your Soil. Ransom County Ag Expo, Lisbon, ND (40 attendees; 4 producers showed up specifically for my presentation)

Daigh, A.L., J. DeJong-Hughes, **A.F. Wick**, D. Malvick. 2014. Maximizing Soil Warming and Health under Different Tillage Practices. ND Corn Council Meeting, (Research Proposals), January 29, Fargo, ND (20 attendees)

**Wick, A.F.,** J. Harmon, D. Prischmann-Voldseth. 2014. Influence of Soil Salinity Gradients on Corn Production and Arthropod Pest Infestations. ND Corn Council Meeting (Research Proposals), January 29, Fargo, ND (20 attendees)

**Wick, A.F.,** F. Casey, D. Ripplinger.2014.Identifying Research and Extension Efforts at the SHARE Farm. ND Corn Council Meeting (Research Proposals), January 29, Fargo, ND (20 attendees)

**Wick, A.F.,** C.M Heglund. 2014. Catching Salinity Issues Early: What does it Mean for Crop Production? Soil and Water Workshop, January 22, FargoDome, Fargo, ND (200 attendees)

**Wick, A.F.,** J.D. Goltz. 2014. The Role of Organic Matter in Soil Health, Richland County Ag Day, January 10, Wahpeton, ND (40 attendees).

**Wick, A.F**., T. Alme, D. Williams, M. Jenkins. 2014. Cover Crop Farmer Rap Session. Manitoba North Dakota Zero Tillage Annual Meeting, January 6-8, Minot, ND (100 attendees)

**Wick, A.F**. 2014. Soil Health – Components and Complexities. Manitoba North Dakota Zero Tillage Annual Meeting, January 6-8, Minot, ND (200 attendees)

**Wick, A.F.** 2013. No-Till Benefits for Soil Health, CCSP Farm Directors Meeting, December 18, Forman, ND (20 attendees).

**Wick, A.F.**, F.X.M. Casey. 2013. An Introduction to the North Dakota SHARE Farm, Prairie Grains Conference, December 12, Alerus Center, Grand Forks, ND (75 attendees)

**Wick**, **A.F.,** F.X.M Casey. 2013. Developing Treatments of Interest at the SHARE Farm. ND Corn Council Board Meeting, December 5, Expressway Suites, Fargo, ND (20 attendees)

**Wick, A.F.,** L. Briese.2013. Managing Soil Salinity: What’s your Number? Northern Ag Expo, Main Stage, December 4, FargoDome, Fargo, ND (50 attendees)

**Wick, A.F.** 2013. Foundations of Soil Health. PSCAND and SWCD Annual Meeting, November 25, Holiday Inn, Fargo, ND (75 attendees)

**Wick, A.F.** 2013. Developing Treatments of Interest to Producers at the SHARE Farm, Proposal presentation, ND Soybean Council, November 26, Soybean Council Offices, Fargo, ND (10 attendees)

**Wick, A.F.** 2013. Research and Extension Efforts at the SHARE Farm, Proposal presentation, ND Soybean Council, November 26, Soybean Council Offices, Fargo, ND (10 attendees)

**Wick, A.F.** 2013. Soil Salinity Gradients Damage to Soybeans and Pest Infestations, Proposal presentation, ND Soybean Council, November 26, Soybean Council Offices, Fargo, ND (10 attendees)

A. Daigh, **A.F. Wick**. 2013. Maximizing Soil Warming and Health under Different Tillage Practices, Proposal presentation, ND Soybean Council, November 25, Soybean Council Offices, Fargo, ND (15 attendees)

**Wick, A.F.** 2013. Managing for Soil Health. ND Association of Soil Conservation Districts, November 18, Holiday Inn, Fargo, ND (75 attendees)

**Wick, A.F**. 2013. Update on the Soil Health and Land Management Program. ND Wheat Commission Meeting, Barry Hall, November 18, NDSU, Fargo, ND (18 attendees)

**Wick, A.F.** 2013. Basics of Soil Health and Soil Salinity. Barnes County Cover Crop and Soil Health Tour, November 15, Valley Ciy, ND (15 attendees).

**Wick, A.F.,** J.D. Goltz. 2013. The SHARE Farm Concept. Richland County Commissioners, October 1, 2013 (14 attendees)

**Wick, A.F.** 2013. NDSU Soil Health: The SHARE Farm Concept. ND Corn Council Research Roundtable, September 10, Fargo, ND (70 attendees)

**Wick, A.F.,** and C.M. Heglund. 2013. Soluble Salt Movement and Accumulation, September 5, Grand Forks, ND (75 attendees)

**Wick, A.F.,** G. LaPlante. 2013. The Vision and Mission for the SHARE farm, August 22, Mooreton, ND (220 attendees)

**Wick, A.F.** 2013. Understanding and Managing for Soil Health, March 28, Fullerton Soil Health Workshop(40 attendees)

**Wick, A.F.** 2013. Full Circle: Making Comparisons across Reclaimed Systems in the Western and Eastern USA. March 25, Dickinson State University Reclamation Class, Dickinson, ND (8 attendees)

**Wick, A.F.** 2013. Building Aggregation and Soil Organic Matter. March 18, McLean Co. Ag Day (18 attendees)

**Wick, A**.**F.**, A-M. Fortuna. 2013. Soil Health Update. March 6, NDSU REC annual meeting, Fargo, ND (30 people).

**Wick, A**.**F.,** A-M. Fortuna**.** 2013. Soil Health Update. February 28, SBARE visit to NDSU, Fargo, ND (15 people)

**Wick, A.F**. 2013. Soil Biology Linked to Soil Health. February 28, Grand Forks County Soil Health Workshop, Grand Forks, ND (150 attendees)

**Wick, A.F.** 2013. Recovery of Soil Health Parameters in Reclaimed Lands. February 26, Reclamation-Bringing Ideas Together meeting at Dickinson State University, Dickinson, ND (225 attendees)

**Wick, A.F.** 2013. Soil Health and Land Management Web and Media Development, February 21, Agricultural Products Utilization Commission, Bismarck, ND (8 attendees)

**Wick, A.F.** 2013.Creative Ways to Demonstrate Soil Health, February 12, Soil Health Concepts and Success Stories, Carrington REC, ND (45 attendees)

**Wick, A.F.,** B. Nelson. 2013. Salty Soils and Soybean Cyst Nematode: What do we Advise for Managing these Challenges, February 8, Advanced Crop Advisors Workshop, Fargo, ND (2 talks, 200 attendees)

**Wick, A**.**F.,** G. Mehring. 2013. Root Development in Observation Pots. February 6-7, The Best of the Best in Soybean, Grand Forks and Moorhead, ND (250 and 175 attendees, respectively)

**Wick, A.F.** 2013. Soil Health: Issues and Approaches. January 31, The Best of the Best in Wheat and Barley Research, Doublewood Inn, Bismarck, ND (75 attendees)

**Wick, A.F**. 2013. Precision Agriculture and Salinity Mapping. January 22, Precision Agriculture Summit, Jamestown, ND (200 attendees)

**Wick, A.F**., C. Augustin, S. Samson-Liebig, H. Weiser, M. Liebig, J. Heard. 2013. January 9, Building a Sustainable Operation through Soil Health, Manitoba North Dakota Zero Tillage Meeting, Ramkota, Bismarck, ND (farmer rap session; 43 attendees)

**Wick, A.F.** 2013. Soil Health Challenges and Options, January 7, American Crystal Corporate Office, Moorhead, MN (55 attendees)

**Wick, A.F**. 2013. Salinity and Sodicity Issues and Management. January 4, Richland County Ag Day, Wahpeton, ND (50 attendees)

**Wick, A.F**. 2012. Soil Salinity in Southwest North Dakota. December 13, 29th Annual Western Dakota Crops Day, Hettinger Armory, Hettinger, ND (50 attendees)

**Wick, A.F**. 2012. NDSU Soil Health Initiative Update. December 7, ND Irrigation Association Board Meeting, Ramkota, Bismarck, ND (20 attendees)

**Wick, A.F**. 2012. NDSU Soil Health Initiative and Irrigation. December 6, Irrigation Workshop, Ramkota, Bismarck, ND (40 attendees)

**Wick, A.F**. 2012. Soil Health Challenges and Options, November 27, Northern Ag Expo, FargoDome, Fargo, ND (125 attendees).

**Wick, A.F**., C. Augustin, N.5 Kalwar. 2012. Soil Health: Identifying and Managing Saline Soils, Two mini-sessions, November 19, ND Association of Soil Conservation Districts, Ramkota, Bismarck, ND (175 attendees).

**Wick, A.F**., C. Augustin, N. Kalwar. 2012. Soil Health – Where are we Headed and What’s your Role, November 8, NDSU Fall Extension Conference, Holiday Inn, Fargo, ND (40 attendees)

**Wick, A.F.** 2012. Managing for Soil Health Parameters: Organic Matter and Aggregation. October 30, Soil Health Tour, Forman, ND (50 attendees)

**STUDENT AND TECHNICIAN EXTENSION PRESENTATIONS**

***Total: 42, Attendees: 4,273***

Ressler, L. 2018. Infiltration Demonstration, Cover Crop Field Day, August 28, Rutland, ND (100 attendees).

Ressler, L. 2018. Soil Health, Rotary Club Meeting in Traill County, July 24, Fargo, ND (20 attendees).

Ressler, L. 2018. Crop Talk, Worms for Soil Health, Pollinators, Agriculture Adventure Day at the Red River Zoo, July 14, Fargo, ND (1,500 attendees).

Ressler, L. 2018. Cover Crops, Griggs County Extension Meeting, February 7, Cooperstown, ND (35 attendees).

Ressler, L. 2017. Soil Health Update, ND Wheat Commission Meeting, December 7, Bismarck, ND (50 attendees).

Langseth, C. 2016. Soil Health/Cover Crops. Peterson Farm Seed Field Day, September 8, Prosper, ND (150 attendees).

Langseth, C., T. Wehlander. 2016. Cover Crops and Perennial Crops for Saline Soil Management, June 30, Delamere, ND (100 attendees – presentation given 4 times to groups of 25)

A.F. Wick, T. Wehlander, C. Langseth. 2016. Soil Heath Education: 4th graders, March 10, Lisbon, ND (35 attendees)

Butcher, K. 2016. NDSCS presentation, January 27, Wahpeton, ND (75 attendees).

Schewe, R. 2016. NDSCS presentation, January 27, Wahpeton, ND (75 attendees).

C.M. Langseth (Heglund). 2015. Soil Texturing Demonstration/Discussion, Conservation Tillage Conference, December 16, 2015, Willmar, MN (175 attendees)

C.M. Langseth (Heglund). 2015. Using Buffer Strips to Manage Ditch Effect Salinity. Tools and Concepts to Actively Manage Salinity, September 29, Cummings, ND (25 attendees)

C.M. Langseth (Heglund). 2015. Managing Soil Salinity. Arthur Companies Field Day, September 18, Pillsbury, ND (40 attendees)

C.M. Langseth (Heglund) and M. Blawat. 2015. Management of Saline Areas (soil pit). Management of Saline and Sodic Soils Field Day, September 9, Delamere, ND (110 attendees)

R. Schewe. 2015. Soil Health Research Project Update: Tiling for Salinity Management. Management of Saline and Sodic Soils Field Day, September 9, Delamere, ND (110 attendees)

K. Butcher. 2015. Soil Health Research Project Update: Corn and Soybean Response to Salinity, Management of Saline and Sodic Soils Field Day, September 9, Delamere, ND (110 attendees)

M. Breker. 2015. Soil Health Research Project Update: Sodic Soil Management with Soil Amendments, Management of Saline and Sodic Soils Field Day, September 9, Delamere, ND (110 attendees)

C. Heglund and S. Samson-Liebig. 2015. What to Look for with Soil Health (rainfall simulator demo), Soil Health and Tillage Field Day, August 6, Barney, ND (100 attendees)

C.M. Heglund. 2015. Linking Soil Health Projects in North Dakota. National Extension Agents Conference Field Tour, July 10, Mooreton, ND (30 attendees)

K. Butcher. 2015. Corn and Soybean Response to Salinity. National Extension Agents Conference Field Tour, July 10, Mooreton, ND (30 attendees)

R. Schewe. 2015. Tile Management in Saline Soils. National Extension Agents Conference Field Tour, July 10, Mooreton, ND (30 attendees)

M. Breker. 2015. Sodic Soil Management in Amendments. National Extension Agents Conference Field Tour, July 10, Mooreton, ND (30 attendees)

C.M. Heglund. 2015. ND Wheat Proposal Presentation. April 1, Fargo, ND (15 attendees)

T. DeSutter, M. Breker. 2015. Identifying and Managing Sodic Soils. Managing for Soil Health Workshop, March 5, Rutland, ND (presentation given 4x; 41 attendees)

C.M. Heglund, M. Blawat. 2015. Salinity Management. Managing for Soil Health Workshop, March 5, Rutland, ND (presentation given 4x; 41 attendees)

C.M. Heglund. 2015. Saline and Sodic Soil Management, North Dakota State College of Science, January 28, Wahpeton, ND (100 attendees)

C.M. Heglund. 2015. Cover Crops in Richland Co., Richland Co. Ag.   Day, January 7, Wahpeton, ND (35 attendees)

C.M. Heglund. 2014. Salinity Demonstration Network (proposal defense), ND Department of Health EPA 319 meeting, December 17, Bismarck, ND (36 attendees)

C.M. Heglund. 2014. Soil Pit Demonstration. Soil Health Field Day, October 8, New England, ND (30 attendees)

C.M. Heglund. 2014. Soil Pit Demonstration. Soil Health Field Day, October 7, Mott, ND (30 attendees)

C.M. Heglund. 2014. Get your Number. Getting a Grip on Salinity Field Day, September 9, Valley City, ND (40 attendees).

C.M. Heglund, M. Blawat, M. Breker. 2014. Salt-affected Soils (pit demonstration), Management Tools for Saline and Sodic Soils Field Day, September 17, Delamere, ND (120 attendees)

C.M. Heglund, A. Scheve. 2014. Salinity Demonstrations, Tools and Concepts to Actively Manage Salinity Field Day, September 3, Cumming, ND (30 attendees)

K. Butcher, M. Breker. 2014. Salinity Mapping, Tools and Concepts to Actively Manage Salinity Field Day, September 3, Cumming, ND (30 attendees).

C.M. Heglund, K. Anderson. 2014. Cover Crops Below-ground. 2nd Annual Soil Heatlh Field Day, August 21, Mooreton, ND (135 attendees)

L. Briese, R. Schewe. 2014. Approaches for Managing Salts. 2nd Annual Soil Heatlh Field Day, August 21, Mooreton, ND (135 attendees)

M. Breker, R. Owen, 2014. Salinity: Getting your Number. 2nd Annual Soil Heatlh Field Day, August 21, Mooreton, ND (135 attendees)

N. Derby, K. Butcher. 2014. Salinity Mapping: Veris/EM38. 2nd Annual Soil Heatlh Field Day, August 21, Mooreton, ND (135 attendees)

C.M Heglund. 2014. Soil Salinity (Soil Pit Demonstration), July 17, CCSP Demo Farm Tour, Forman, ND (75 attendees)

C.M. Heglund (for **A.F. Wick**). 2014. Advances in Salinity Research and Extension Efforts. Agassiz Club, April 8, Fargo, ND (45 attendees)

C.M. Heglund. 2014. Soybean Response to Salinity, Richland County Ag Day, January 10, Wahpeton, ND (40 attendees).

**TEACHING PRESENTATIONS**

**Wick, A.F.** 2019. Soil Health and Earthworms. NDSU Soil Ecology Class Lecture, September 23, Fargo, ND (40 attendees).

**Wick, A.F.,** L. Briese**.** 2018. The Steps of Soil Health. NDSU Soil Ecology Class Lecture, November 9, Fargo, ND (40 attendees).

**Wick, A.F.** 2018. Tips for Using Soil Health Building Practices. UMN Crookston Class Presentation, October 25, Crookston, MN (25 attendees).

**Wick, A.F.** 2018. Tips for On-Farm Use of Cover Crops, NDSCS Class Lecture, March 21, Wahpeton, ND (75 attendees).

**Wick, A.F.** 2018. Setting Goals for Using Soil Health Building Practices. Burton Johnson’s Plant Sciences Class, January 26, Fargo, ND (100 attendees)

**Wick, A.F.** 2017. Cover Crops for Salinity and Other On-Farm Goals. Caley Gasch’s Soil Ecology Class, November 20, Fargo, ND (35 attendees)

**Wick, A.F.** 2017. Setting Goals for Cover Crops. Caley Gasch’s Soil Ecology Class, November 17, Fargo, ND (35 attendees)

**Wick, A.F.** 2017. Cover Crop Field Tour. Caley Gasch’s Soil Ecology Class, November 16, Mooreton, Delamere and Rutland, ND (5 attendees)

**Wick, A.F.** 2014. Organic Matter and Soil Health. Tom DeSutter’s Soil Class, March 26, Fargo, ND (40 attendees)

**Wick, A.F.** 2014. Aggregation and Soil Health. Tom DeSutter’s Soil Class, March 24, Fargo, ND (40 attendees)

**ON-FARM VISITS**

***Total: 347 on-farm visits with 1,108 face-to-face hours spent with farmers***

**2020:** 6 on-farm visits; 16 hours (thru 4/14/20 –reduced as a result of COVID-19)

**2019:** 51 on-farm visits; 132 hours

**2018:** 72 on-farm visits; 205 hours

**2017:** 85 on-farm visits; 277 hours

**2016:** 84 on-farm visits; 273 hours

**2015:** 34 on-farm visits; 138 hours

**2014:** 20 on-farm visits; 77 hours

**2013:** 1 on-farm visit; 6 hours

**ADVISORY GROUP SESSIONS**

Soil Health and Land Management Advisory meeting, September 27, 2018 Fargo (25 attendees; meeting facilitator used)

Soil Health and Land Management Advisory meeting, September 9, 2013, Fargo (30 attendees; meeting facilitator used)

SHARE Farm Advisory Group Meeting, April 25, 2013, Mooreton (20 attendees)

Soil Health and Land Management Advisory meeting, April 4, 2013, Bismarck (35 attendees)

Soil Health and Land Management Advisory meeting, September 14, 2012, Fargo (24 attendees)

**RESEARCH PRESENTATIONS AND POSTERS**

\*presented all first author presentations and posters ***(Total: 73)***

Franzen, D., M. Berti, S. Mathews, **A. Wick**. 2019. Increase in Non-Exchangeable Ammonium after Cover Crop and Forage Radish. Poster. American Society of Agronomy National Meetings, November 11-13, San Antonio, TX.

Franzen, D., P. Inglett, **A. Wick**, C. Gasch. 2019. Spatial Variability of Asymboitic N-Fixer Activity in No-Till Soils. Poster. American Society of Agronomy National Meetings, November 11-13, San Antonio, TX.

Gasch, C.K., **A.F. Wick**. 2019. Filling in the Fallow: Adventures in on-Farm Cover Crop Research and Demonstration in North Dakota. American Society of Agronomy National Meetings, November 11-13, San Antonio, TX.

**Wick, A.F**., C.K. Gasch. 2019. Programs and Networks for Sharing Soil Health Management Approaches in North Dakota. Invited Presentation. American Society of Agronomy National Meetings, November 11-13, San Antonio, TX.

Leitner, Z., A. Daigh, C. Gasch, J. DeJong-Hughes, A. Wick. 2019. Soil Biological Temporal Variability as Functions of Physiochemical States and Soil Management. Manitoba Soil Science Society Annual Meeting, Winnipeg, MB.

Gasch, C., R. Utter, **A. Wick**. 2018. Earthworm Distribution and Demographics along a Naturally Occurring Salinity Gradient. Manitoba Soil Science Society Meeting, 61st Annual, February 1-2, Winnipeg, MB

Daigh, A., J. DeJong-Hughes, **A. Wick**, R. Horton. 2017. Spatial Response of Near-Surface Soil Water Contents to Newly Imposed Soil Management. Soil Science Society of America National Meeting, October 22-25, Tampa, FL.

DeSutter, T., M. Breker, A. Chatterjee, **A. Wick**, F. Casey, C. Gasch. 2017. Percent Sodium, Electrical Conductivity and Alfalfa Yield Affected by Application of Sodic-Soil Amendments. Soil Science Society of America National Meeting, October 22-25, Tampa, FL.

Gasch, C., **A. Wick**. 2017. Screening Soil Health Methods and Their Interpretation Across Management Practices in North Dakota. Soil Science Society of America National Meeting, October 22-25, Tampa, FL.

Utter, R., C. Gasch**, A. Wick**. 2017. Earthworm Distribution and Demographics Along a Naturally Occurring Salinity Gradient. Soil Science Society of America National Meeting, October 22-25, Tampa, FL.

O’Brien, P., T. DeSutter, N. Derby, F. Casey, **A. Wick**, E. Khan. 2017. Using the Surface Energy Balance as an Indicator of Success in Soil Reclamation. Soil Science Society of America National Meeting, October 22-25, Tampa, FL.

Leitner, Z., A. Daigh, C. Gasch, J. DeJong-Hughes, **A. Wick**. 2017. Temporal Dynamics of Microbial Communities during Natural Wetting and Drying Cycles of Select Reduced Tillage Systems. Soil Science Society of America National Meeting, October 22-25, Tampa, FL.

DeSutter, T., P. O’Brien, S. Ritter, N. Derby, K. Horsager, F. Casey, **A. Wick,** E. Khan, H. Dose. 2016. Construction of Large-Scale Research Plots at a Remediation Site Using Thermal Desorption. Soil Science Society of America National Meeting, November 6-9, Phoenix, AZ.

**Wick. A.F.** 2016. Making Soil Health Research Applicable to Farmers.Manitoba Soil Science Society Annual Meeting, invited Keynote speaker, February 4, Winnipeg, MB (65 attendees).

Butcher, K, **A.F. Wick**, T. DeSutter. 2016. Fluctuations in Volumetric Water content Alter the Salinity of the Soil Solution. Manitoba Soil Science Society Annual Meeting, presentation, February 4, Winnipeg, MB.

O’Brien, P, T. DeSutter, F. Casey, **A. Wick**, S. Ritter. 2016. Considerations when Using Thermal Desorption to Remediate Crude Oil Spills in the Northern Great Plains. Manitoba Soil Science Society Annual Meeting, presentation, February 4, Winnipeg, MB.

Breker, M., T. DeSutter, A. Chatterjee, **A.F Wick**. 2016. Percent Sodium, Electrical Conductivity, and Alfalfa Yield after Amendment Applications on Saline-Sodic and Sodic Soils. Manitoba Soil Science Society Annual Meeting, presentation, February 4, Winnipeg, MB.

Ritter, S., T. DeSutter, P. O’Brien, F. Casey, **A. Wick**, K. Horshager. 2016. Binary Exchanges of Calcium, Magnesium, and Potassium on Thermally Desorbed Soil. Manitoba Soil Science Society Annual Meeting, presentation, February 4, Winnipeg, MB.

Bohrer, S., R. Limb, A. Daigh, **A. Wick**, J. Volk. 2015. The Impact of Soil Compaction on Vegetation Diversity on Reclaimed Mined-lands in Central North Dakota. Poster, North Dakota Society for Range Management, October 8.

K. Butcher, **A.F. Wick**, T. DeSutter, J. Harmon, D. Prischmann-Voldseth. 2015. Application of Field Research for Land Management Decisions: Prevention and Reclamation of Soil Salinity Using Site-Specific Data. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

K. Butcher, **A.F. Wick**, T. DeSutter, J. Harmon, D. Prischmann-Voldseth. 2015. Soybean Yield Response to Natural Soil Salinity Gradients in Richland County, North Dakota. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

K. Butcher, **A.F. Wick**, T. DeSutter, A. Chatterjee, J. Harmon. 2015. Changes in CO2-C Fluxes in a Saline, Sandy Loam Soil. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

Langseth, C.M., **A.F. Wick**. 2015. Evaluation of Cover Crops to Improve Soil Health. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

Schewe, R., F. Casey, **A.F. Wick**. 2015. Quantifying Salt Removal from Tile Drainage in the Red River Valley. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

Schewe, F. Casey, **A.F. Wick**. 2015. Water Flow Characteristics of a Shrink-Swell Soil from a Wetting and Drying Cycle. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

Knudson, M., **A.F. Wick**, T.M. DeSutter. 2015. Salinity Management, Cover Crops and Tile Drainage: Research and Demonstration Site in Grand Forks County, North Dakota. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

DeSutter, T.M., P. O’Brien, K. Horsager, N. Derby, F. Casey, **A.F. Wick**. 2015. Growth of Hard Red Spring Wheat in Crude Oil Contaminated Soils Treated by Thermal Desorption. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

Breker, M., T.M. DeSutter, A. Chatterjee, **A.F. Wick.** 2015. Microbial Response to Sodic Soils amended with Flue-Gas Desulfurization Gypsum, Sugar Beet Processing Byproduct Lime and Langbeinite. Soil Science Society of America National Meeting, November 16-19, Minneapolis, MN.

O’Brien, P., N. Derby, T. DeSutter, F. Casey, **A. Wick**, K. Horsager, S. Ritter. 2015. Effects of Thermal Desorption on Soil-Water Characteristics and Plant Available Nutrients. Johnt Annual Metings of the Canadian Land Reclamation Association and Manitoba Soil Science Society, Winnipeg, MB, June 15-18.

Heglund, C.M, **A.F. Wick.** 2014. Development of a Soil Health Demonstration Network in North Dakota. Soil Science Society of America National Meeting, November 3-5, Long Beach, CA.

Derby, N.E., **A. F. Wick,** F.X.M. Casey. 2014. Spatially Variable Soil Salinity, Chemistry, and Physical Properties Affect Soil Health. Science Society of America National Meeting, November 3-5, Long Beach, CA.

Butcher, K. **A.F. Wick**, T. DeSutter, J. Harmon, D. Prischmann-Voldseth. 2014. Soybean Growth Responses to Natural Soil Salinity Gradients in Richland County, North Dakota. Science Society of America National Meeting, November 3-5, Long Beach, CA.

Daigh, A., **A.F. Wick**, M. Langseth. 2014. Documenting the Transition to No-till on the Northern Plains.Science Society of America National Meeting, November 3-5, Long Beach, CA.

**Wick, A.F.,** W. Daniels, P. Stahl. 2014. Soil Carbon in Reclaimed Mine Soils. Soil Science Society of America National Meeting, November 3-5, Long Beach, CA (45 attendees).

**Wick, A.F.,** D. Toussaint, G. LaPlante. 2014. Integrated Approaches to Selecting Management Strategies for Soil Health. Soil Science Society of America National Meeting, November 3-5, Long Beach, CA (20 attendees).

Samson-Liebig, S.E., H. Weiser, W. Bott, T. Alme, J. Fuhrer, J. Printz, M.A. Liebig, **A. Wick**. 2014. Building Soil Health in North Dakota. Poster. World Congress of Conservation Agriculture International Meeting, June 22-25, Winnipeg, Manitoba.

Orndorff, Z.W., W.L. Daniels, M.S. Reiter, **A.F. Wick**. 2014. Prime farmland crop yields from four soil reconstruction treatments following mineral sands mining: A 9 year summary. Presentation. American Society of Mining and Reclamation meeting, June 14-20, Oklahoma City, OK. Abstract published by ASMR.

Eichele, J., J.P. Harmon, D.A. Prischmann-Voldseth, C. Heglund, **A.F. Wick**, J. Dreyer. 2014. Two-spotted spider mites (*Tetranychus urticae*) perform better on soybean plants grown in saline conditions Annual Meeting of the North Central Branch of the Entomological Society of America, March, Des Moines, IA.

Heglund, C.M., **A.F. Wick**, J. Harmon, D. Prischmann-Voldseth. 2013. The Influence of Soil Salinity Gradients on Corn and Soybean Production and Nutrient Cycling. Poster.Soil Science Society of America Annual Meetings, November 3-6, Tampa, FL.

**Wick, A.F.,** D. Franzen, F.X.M. Casey, G. LaPlante. 2013. Building a Salinity Demonstration Network in North Dakota.Presentation. Soil Science Society of America Annual Meetings, November 3-6, Tampa, FL (40 attendees)

Fedje, M, **A.F. Wick\***, F.X.M. Casey, N.E. Derby, G. LaPlante. 2013. Mapping the Effects of Subsoil Salinity and Hydrology on a Soybean Cropping System. Presentation. Soil Science Society of America Annual Meetings, November 3-6, Tampa, FL (25 attendees)

**Wick, A.F.,** F.X.M. Casey, G. LaPlante. 2013. Development of Research and Extension Opportunities on Soil Health in North Dakota. Presentation. Canadian Soil Science Society annual meeting, July 22-25, Winnipeg, MB (45 attended).

**Wick, A.F**., P.D. Stahl, and W.L. Daniels. 2013. Organic Matter Dynamics in Reclaimed Mine Soils. Presentation. American Society of Mining and Reclamation meeting, June 2-6, Laramie, WY. Abstract published by ASMR, 3134 Montevesta Rd., Lexington, KY 40502 (125 attended).

**Wick, A.F**., B.D. Strahm, R.L. Phillips, S. Waldron, K. Minick, and W.L. Daniels. 2012. Organic Matter Pools in Reclaimed Soils: Quantification Using Biological, Chemical and Physical Fractionation Methods. Presentation, Soil Science Society of America Meeting, October 21-24, Cincinnati, OH (60 attended).

Chen, Y., S.D. Day, **A.F. Wick**, W.L. Daniels, B.D. Strahm, P.E. Wiseman. 2012. Relation of Microbial Biomass Carbon and Aggregate Size Distribution to Soil Carbon Pools Four Years after Urban Soil Rehabilitation. Presentation, Soil Science Society of America Meeting, October 21-24, Cincinnati, OH.

Carter III, C.H., W.L. Daniels, **A.F. Wick**, and C. Saunders. 2012. Development and Application of Screening Criteria for Beneficial Utilization of Dredge Sediments in Virginia, USA. Poster, PIANC USA/COPRI ASCE Dredging 2012, October 22-25, San Diego, CA.

Chen, Y., S.D. Day, B.D. Strahm, R.J. Shrestha, **A.F. Wick** and W.L. Daniels. 2012. Greenhouse Gas Emissions in Rehabilitated Urban Landscape Soils. Poster, Ecological Society of America Annual Meeting, August 5-10, Portland, OR.

**Wick, A.F.**, W.L. Daniels, Z.W. Orndorff, and M.M. Alley. 2012. Carbon Accumulation and Stabilization Following Mineral Sands Mining in Eastern Virginia. Presentation. American Society of Mining and Reclamation meeting, June 8-15, Tupelo, MS. Abstract published by ASMR, 3134 Montevesta Rd., Lexington, KY 40502.

Daniels, W.L., **A.F. Wick**, C.H. Carter III, and C. Saunders. 2012. Screening Criteria for Beneficial Utilization of Dredge Sediments in Virginia, USA. Presentation. American Society of Mining and Reclamation meeting, June 8-15, Tupelo, MS. Abstract published by ASMR, 3134 Montevesta Rd., Lexington, KY 40502.

Chen, Y., S.D. Day, P.E. Wiseman, **A.F. Wick**, B.D. Strahm, W.L. Daniels and K.J. McGuire. 2012. Relation of Microbial Biomass Carbon and Tree Root Distribution to Soil Carbon Dynamics Four Years after Urban Soil Rehabilitation. Poster, Ecological Society of America – Mid-Atlantic Chapter Annual Meeting, April 14-15, Blacksburg, VA.

Li, J., G. Evanylo, **A.F. Wick**. 2011. Effects of Long Term Application of Organic Residues on Quantitative and Qualitative Soil Carbon Sequestration. Presentation, Soil Science Society of America Meeting, October 16-19, San Antonio, TX.

Chen, Y., S.D. Day, **A.F. Wick**, W.L. Daniels, B.D. Strahm, P.E. Wiseman, and K.J. McGuire. 2011. Characterization of Soil Carbon Pools Three Years after Urban Soil Rehabilitation. Poster, Soil Science Society of America Meeting, October 16-19, San Antonio, TX.

Howren, M.A., **A.F. Wick**, P. Donovan, W.L. Daniels, and C.H. Carter III. 2011. Plant-Soil Relations on Marine Dredge Material. Poster, American Society of Mining and Reclamation meeting, June 11-16, Bismarck, ND. Abstract published by ASMR, 3134 Montevesta Rd., Lexington, KY 40502.

Daniels, W.L., **A.F. Wick**, Z.W. Orndorff, C.H. Carter III. 2011. Prediction and Control of Sulfide Oxidation in Upland Placed Dredge Sediments. Presentation, Battelle International Conference on Remediation of Contaminated Sediments, February 7-10, New Orleans, LA.

**Wick, A.F.**, W.L. Daniels, and P.D. Stahl. 2010. Carbon Accumulation and Storage in Reclaimed Mined Land Soils. Presentation, Soil Science Society of America Meeting, October 31-November 4, Long Beach, CA.

**Wick, A.F.**, R.L. Phillips, M.A. Liebig, and W.L. Daniels. 2010. Soil Physiochemical Controls on Trace Gas Emissions from a North Dakota Mollisol. Presentation, Soil Science Society of America Meeting, October 31-November 4, Long Beach, CA.

Daniels, W.L., Z.W. Orndorff, M.M. Alley, **A.F. Wick**, and J.M. Galbraith. 2010. Mine Soil Properties, Reconstruction Protocols and Row-Crop Productivity of Reclaimed Mineral Sands Mines in Virginia. Presentation, Soil Science Society of America Meeting, October 31-November 4, Long Beach, CA.

Chen, Y., S.D. Day, **A.F. Wick**, P.E. Wiseman, and W.L. Daniels. 2010. Characterization of Soil Carbon Pools Two Years after Urban Soil Rehabilitation. Poster, International Society of Arboriculture, July 23-28, Chicago, IL.

Merrill, S.D., **A.F. Wick**, and M.A. Liebig. 2009. Effects of Land Form and Soil Characteristics on Plant Community Developments and Productivity on 28-Year Old Reclaimed Mine Land. Poster, Soil Science Society of America Meeting, November 1-5, Pittsburgh, PA.

**Wick, A.F.**,K. Meredith, W.L. Daniels, M. Alley, and Z. Orndorff. 2008. Row Crop Response to Soil Reconstruction Methods Following Mineral Sands Mining in Virginia. Poster,Soil Science Society of America Meeting, October 5-9, 2008, Houston, TX.

**Wick, A.F.**, P.D. Stahl, and L.J. Ingram. 2008. Aggregate Carbon and Nitrogen under Reestablished Grasses and Shrubs. Presentation,Soil Science Society of America Meeting, October 5-9, 2008, Houston, TX.

**Wick, A.F.**, P.D. Stahl, L.J. Ingram, G.S. Schuman, and G.F. Vance. 2006. Soil Structural Recovery in Relation to Carbon and Nitrogen Content in a Chronosequence of Reclaimed Sites. Presentation, Soil Science Society of America Meeting, November 12-16, 2006, Indianapolis, IN.

Schmidt, S., **A.F. Wick**, and P.D. Stahl. 2006. Effects of Surface Coal Mining on Soil Structure and General Properties. Student Research Apprenticeship Program Symposium and Poster Session, July 28, 2006, Laramie, WY.

**Wick, A.F.**, P.D. Stahl, L.J. Ingram, G.E. Schuman, and G.F. Vance. 2006. Soil Structural Recovery in Relation to Carbon, Nitrogen and Light Fraction Content in a Reclaimed Cool Season Grass Chronosequence in Wyoming. Presentation, University of Wyoming Graduate School Student Symposium, April 3-4, 2006, Laramie, WY.

Regula, V., **A.F. Wick**, and P.D. Stahl. 2006. Recolonization of Reclaimed Soils in Wyoming by Arthropods. Poster, University of Wyoming Graduate School Student Symposium, April 3-4, 2006, Laramie, WY.

Rana, S., **A.F. Wick**, P.D. Stahl, and L.J. Ingram. 2006. Influence of Plant Community Structure on Recovery of Belowground Microbial Communities in Reclaimed Surface Mine Soils. University of Wyoming Graduate School Student Symposium, April 3-4, 2006, Laramie, WY.

**Wick, A.F.**, P.D. Stahl, L.J. Ingram, G.E. Schuman, and G.F. Vance. 2006. Aggregate Size Distribution under a Cool Season Grass Community Chronosequence on Reclaimed Coal Mine Lands in Wyoming. Presentation, Front Range Student Ecology Symposium, March 8, 2006, Ft. Collins, CO.

**Wick, A.F.**, P.D. Stahl, G. F. Vance, G.E. Schuman, L.J. Ingram, L.C. Munn, and E.G. Pendall. 2005. Aggregate Size Distribution and Stability under Cool Season Grass Communities of Different Ages on Reclaimed Coal Mine Lands in Wyoming. Presentation, Soil Science Society of America Meeting, November 6-10, 2005, Salt Lake City, UT.

Garcia, A., **A.F. Wick**, and P.D. Stahl. 2005. Soil pH and Electrical Conductivity: Indicators of Soil Quality at Reclamation Sites. Student Research Apprenticeship Program Symposium and Poster Session, July 19, 2005, Laramie, WY.

Rana, S., **A.F. Wick**, P.D. Stahl, and G.F. Vance. 2005. Recovery of belowground ecosystem components under different plant communities on reclaimed coal mine lands. Poster, University of Wyoming Graduate School Student Symposium, Poster session, April 4-5, 2005, Laramie, WY.

With Paul Shepard, Laboratory of Tree Ring Research. 2001. Pilot Projects in the Sierra de Las Alazanas: (1) Microsite Variations and Tree Rings, (2) Effects of Dwarf Mistletoe Infection on Tree Ring Growth. Presentation, Proceedings of the 11th Annual North American Dendroecological Field week, August 2001, Saltillo, Coahuila, Mexico.

Luchsinger, D.A., and **A.W. Abley (Wick)**. 2001. Development of Geological Training and Reference Manuals for Florissant Fossil Beds National Monument. Presentation, George Wright Society Biennial Conference, April 16-20, 2001, Denver, CO.

Luchsinger, D.A., M.V. Ransmeier, and **A.W. Abley (Wick)**. 2001. Development of a Virtual Field Trip for Timpanogos Cave National Monument. Poster, George Wright Society Biennial Conference, April 16-20, 2001, Denver, CO.

**PROFESSIONAL EVALUATIONS**

USDA CAP project evaluation, 2020, Lead: Berti, Kandel, **Wick**, Haley

Dakota Innovation Research and Technology (DIRT) Workshop evaluation, 2019, Lead: **Wick**, Haley

Soil Health Café Talk evaluation, 2019, Lead: **Wick**, Haley

Conservation Tillage Conference, 2018, Lead: **Wick**, DeJong-Hughes, Haley

SARE Professional Development Grant Evaluation, 2017, Lead: Berti, **Wick**, Haley

Conservation Tillage Conference, 2017, Lead: **Wick**, DeJong-Hughes, Haley

Conservation Tillage Conference, 2016, Lead: **Wick**, DeJong-Hughes, Haley

Soil Health Café Talk evaluation, 2016, Lead: **Wick**, Haley

Soil health questions contributed to the ND Corn Council Survey, 2013, Lead: Friskop

**RADIO, TELEVISION AND MAGAZINE INTERVIEW**

***Total Interviews: 269***

Soil Carbon and Burning Residue, March 25, 2020, Mikkel Pates, AgWeek

Online Soil Health, March 23, 2020, Mick Kjar, Farm Talk 890

Soil Health, March 10, 2020, Mick Kjar, Farm Talk 890

Soil Health, February 17, 2020, Noah Shannon, New York Times

Nebraska Soil Health Conference, February 13, 2020, Ken Andersen, Brownfield Ag Radio

Café Talks, January 13, 2020, Mick Kjar, Farm Talk 890

Café Talk Program, January 7, 2020, Sam Halstregard, KFGO

DIRT Workshop, December 10, 2019, Mick Kjar, Farm Talk 890

DIRT Workshop, December 6, 2019, Megan Ternquist, Red River Farm Network

DIRT Workshop, December 6, 2019, Mick Kjar, Farm Talk 890

DIRT Workshop, December 2, 2019, Mick Kjar, Farm Talk 890

DIRT Workshop, November 26, 2019, Mick Kjar, Farm Talk 890

DIRT Workshop, November 20, 2019, Sam Halstregard, KFGO

Soil Health in ND, November 8, 2019, Harry Siemens, Manitoba Podcast

Soil Sense Podcast Promotion, November 4, 2019, Skip Wood, Prairie Public Radio

Soil Health, October 30, 2019, Mick Kjar, Farm Talk 890

Soil Health, October 29, 2019, Megan Ternquist, Red River Farm Network

Soil Health in ND and Soil Sense Podcast, September 17, Rob Sharkey, Shark Farmer Podcast, Rural Radio, XM

Soil Health Upcoming Field Day, September 16, 2019, Mick Kjar, Farm Talk 890

Soil Sense Podcast and Alumni Career Highlight, September 16, 2019, Alyssa Hurst, University of Denver Pioneer Magazine

Soil Health and Salinity in the Northern Plains, August 26, 2019, Angela Lovell, Country Guide (Manitoba Canada Magazine)

Agriculture Adventure Day, August 17, 2019, Sam Halstrengard, KFGO

Agriculture Adventure Day, August 17, 2019, Big 98 Radio

Agriculture Adventure Day, August 16, 2019, North Dakota Today

Soil Health, August 15, 2019, Gil Gullickson, Successful Farming Magazine

Agriculture Adventure Day, August 12, 2019, Kristin Rall, American Ag Network

Soil Health, July 31, 2019, Mick Kjar, Farm Talk 890

Soil Health in North Dakota, July 10, 2019, Chad Moyer, Rural Radio Network (Omaha, NE)

Cover Crops for Prevented Planting, June 26, 2019, Mick Kjar, Farm Talk 890

Soil Health Testing, June 25, 2019, Gil Gullickson, Successful Farming

Cover Crops for PP, June 17, 2019, Sam Halstrengard, KFGO

Café Talks on Cover Crops for PP, June 12, 2019, Mick Kjar, Farm Talk 890

Café Talks on Cover Crops for PP, June 10, 2019, Shawna Olson, AgNews 890

Café Talks on Cover Crops for PP, June 10, 2019, Megan Ternquist, RRFN

Cover Crops for Prevented Planting, May 28, 2019, Emily Unglesbee, DTN Magazine

AgWeek Segment on Cover Crop Adoption Rates, April 24, 2019, Trevor Peterson, Agweek

SHARE Farm - Logan Center, April 17, 2019, Megan Ternquist, RRFN

Spring Soil Health Update and New Projects, April 17, 2019 Shawna Olson, AgNews 890

Soil Health Preparations, April 11, 2019, Mick Kjar, Farm Talk 890

Importance of Aggregates, March 28, 2019, RFD Radio

Grazing Workshop Topics, March 4, 2019, Mick Kjar, Farm Talk 890

Corn Soybean Expo Topics, February 12, 2019, Sarah Heinrich, KFGO

Grazing Cover Crops Workshop Topics, February 6, 2019, Mick Kjar, Farm Talk 890

Soil Health Update, January 25, 2019, Mick Kjar, Farm Talk 890

What are Farmers Talking About, January 17, 2019, Megan Ternquist, RRFN

Café Talk Topics, January 17, 2019, Megan Ternquist, RRFN

Café Talk Topics, January 8, 2019, Shawna Olson, AgNews 890

Café Talk Schedule, January 4, 2019, Megan Ternquist, RRFN

Café Talk Schedule, January 4, 2019, Don Wick, RRFN

Café Talk Program Schedule, January 2, 2019, Mick Kjar, Farm Talk 890

Conservation Tillage Conference, December 18, 2018, Sarah McNaughton, KFGO

Conservation Tillage Conference, December 11, 2018, Mick Kjar, Farm Talk 890

Sunflower and Cover Crops, December 6, 2018, Jody Kerzman Sunflower Magazine

Conservation Tillage Conference, December 4, 2018, Mick Kjar, Farm Talk 890

Cover Crops, November 30, 2018, Dan Lemke, Freelance radio

Conservation Tillage Conference, November 20, 2018, Mick Kjar, Farm Talk 890

Conservation Tillage Conference, November 16, 2018, Mick Kjar, Farm Talk 890

Conservation Tillage Conference, November 12, 2018, Mick Kjar, Farm Talk 890

Soil Health, October 2, 2018, Mick Kjar, Farm Talk 890

Soil Health at Big Iron, September 11, 2018, Sarah McNaughton, KFGO

Stories from the Soil, September 4, 2018, Tim Hammerich, AgGrad Podcast and video

NCSRP to SHARE Farm, August 8, 2018, Local Newspaper (Richland County)

NCSRP to SHARE Farm, August 8, 2018, Sarah McNaughton, KFGO

Soil Health Bus Tour, July 25, 2018, Mick Kjar, Farm Talk 890

Soil Health Bus Tour, July 20, 2018, Mick Kjar, Farm Talk 890

Agriculture Adventure Day, July 19, 2018, Market Day Report, RFD-TV, Rural Radio Sirius XM Channel 147

Soil Health Bus Tour, July 17, 2018, Mick Kjar, Farm Talk 890

Agriculture Adventure Day, July 14, 2018, Ben, Froggy 99 (facebook live)

Agriculture Adventure Day, July 14, 2018, Ben, Froggy 99

Agriculture Adventure Day, July 14, 2018, Sarah McNaughton, KFGO

Agriculture Adventure Day, July 13, 2018, Joel Heitkamp, KFGO

Agriculture Adventure Day, July 9, 2018, North Dakota Today TV

Re-Cap of Soil Health Tour, June 29, 2018, Mick Kjar, Farm Talk 890

Agriculture Adventure Day, June 26, 2018, Sarah McNaughton, KFGO

Soil Health Tour in Walsh County, June 7, 2018, Mick Kjar, Farm Talk 890

Soil Health, May 30, 2018, Mick Kjar, Farm Talk 890

Soil Health, April 20, 2018, Mick Kjar, Farm Talk 890

Midwest Cover Crops Council Meeting Recap, March 16, 2018, Mick Kjar, Farm Talk 890

Midwest Cover Crops Council Meeting, March 13, 2018, Megan Ternquist, RRFN

Midwest Cover Crops Council Meeting, March 13, 2018, Sarah Heinrich, KFGO

Midwest Cover Crops Council Meeting, March 12, 2018, Mick Kjar, Farm Talk 890

Midwest Cover Crops Council Meeting, March 9, 2018, Mick Kjar, Farm Talk 890

Midwest Cover Crops Council Meeting, March 5, 2018, Mick Kjar, Farm Talk 890

Commodity Classic Review, February 28, 2018, Mick Kjar, Farm Talk 890

Midwest Cover Crops Council Meeting, February 20, 2018, Mick Kjar, Farm Talk 890

Midwest Cover Crops Council Meeting, February 16, 2018, Mick Kjar, Farm Talk 890

Status of Soil Health in North Dakota, February 13, 2018, Mike Pearson, Podcast for Ag News Daily

Tips and Tricks for Soil Health, February 13, 2018, AgWeek TV

Tips for Soil Health, February 13, 2018, Don Wick, Red River Farm Network

Cover Crops and Soil Health, February 13, 2018, Sarah Heinrich, KFGO

Cover Crops and Soil Health, January 23, 2018, Carah Hart, Red River Farm Network

Café Talks, January 10, 2018, Mick Kjar, Farm Talk 890

Soil Health Minute and Corn Soybean Expo, January 8, 2018, AgWeek TV

Status of Soil Health and Cover Crops, December 5, 2017, Mick Kjar, Farm Talk 890

Cover Crops, November 28, 2017, Carah Hart, Red River Farm Network

Conservation Tillage and Cover Crops, November 27, 2017, Mick Kjar, Farm Talk 890

Soil Health Update, November 21, 2017, Carah Hart, Red River Farm Network

Cover Crops and Conservation Tillage, November 13, 2017, Mick Kjar, Farm Talk 890

Soil SOS Interview, October 23, 2017, Kacey Birchmeier, Successful Farming Magazine

Cover Crops, October 18, 2017, Mick Kjar, Farm Talk 890

SHARE Farm Soil Your Undies, October 11, 2017, AgWeek TV

Soil Health, October 10, 2017, ND Soybean Growers

Cover Crops/CTIC, October 6, 2017, Rusty Halvorson

Cover Crops, October 3, 2017, Mick Kjar, Farm Talk 890

Cover Crops, September 26, 2017, Eric Johnson, KFGO

Cover Crops, September 18, 2017, Mick Kjar, Farm Talk 890

Cover Crops and Farmer Partners, September 13, 2017, Mick Kjar, Farm Talk 890

Cover Crop Field Day, August 11, 2017, Mick Kjar, Farm Talk 890

Cover Crops, August 8, 2017, Mick Kjar, Farm Talk 890

Sunflower and Cover Crops, July 28, 2017, Don Lilleboe, Sunflower Grower Magazine

SARE Project Summary, July 24, 2017, Alexandria Ward, Washington DC

Agriculture Adventure, July 21, 2017, ND Today Show

Agriculture Adventure, July 20, 2017, Joel Heitkamp, KFGO

Soil Health, July 20, 2017, Tony Kramer, RDO Podcast

Ag at the Zoo, July 1, 2017, Eric Johnson, KFGO

Crop Rotation and Diversity, June 9, 2017, Kacey Birchmeier, Successful Farming Magazine.

Cover Crop and Soil Health Update, June 6, 2017, Mick Kjar, Farm Talk 890.

Cover Crop Update, May 15, 2017, Mick Kjar, Farm Talk 890.

Children’s Zoo Farm Update, May 12, 2017, Eric, KFGO

Corn Council Funded Research, April 24, 2017, Mick Kjar, Farm Talk 890.

Cover Crops and What We Should Prepare for this Spring, April 19, 2017, Carrah Hart, RRFN

Status of Cover Crops and Upcoming Field Days, April 18, 2017, Mick Kjar, Farm Talk 890.

Erosion, March 9, 2017, Carrah Hart, RRFN.

Commodity Classic Update, March 3, 2017, Mick Kjar, Farm Talk 890.

Commodity Classic Update, March 2, 2017, Shawna Olson, AgWeek TV

Café Talks, January 25, 2017, Carrah Hart, RRFN.

Café Talks, January 24, 2017, Mick Kjar, Farm Talk 890.

Café Talks, January 9, 2017, Mick Kjar, Farm Talk 890.

Café Talks, January 3, 2017, Mick Kjar, Farm Talk 890.

CTC update, December 13, 2016, Mick Kjar, Farm Talk 890.

Salinity Management, November 30, 2016, Carrah Hart, RRFN

Conservation Tillage Conference promotion, November 29, 2016, Mick Kjar, Farm Talk 890

Cover Crop update and CTC promotion, November 3, 2016, Mick Kjar, Farm Talk 890

Upcoming field days, August 29, 2016, Mick Kjar, Farm Talk 890

Upcoming field days, cover crops, August 23, 2016, Mick Kjar, Farm Talk 890

Cover crops following small grains and sugar beet pre-lift, August 17, 2016, Carrah Hart, RRFN.

Facebook Live: Cover Crops in Rotation, August 3, 2016, Tony Kramer, RDO (8,200 reached, 3,300 views, 110 likes, 12 shares)

No-Till Farming in Jamestown, July 25, 2016, John Dobberstein, No-Till Farmer Magazine.

Cover crops for drown out and hail damaged fields, July 22, 2016, Carah Hart, RRFN.

Inter-seeding Corn, July 7, 2016, Ken Morgan, IFN.

Inter-seeding into Corn, July 5, 2016, Mick Kjar, Farm Talk 890.

Soil Health Success, June 29, 2016, Susan Winsor, DTN

Soil Health and What Farmers are Talking about, June 29, 2016, Kurt Lawton, Corn and Soybean Digest

Soil Health Tour, June 29, 2016, Mick Kjar, Farm Talk 890 (2 times on the radio)

Soil Health from Soil Pits, June 27, Shawna Olson, AgWeek TV

Soil Health Tour, June 7, 2016, Mick Kjar, Farm Talk 890.

Soil Health Testing, May 31, 2016, Susan Winsor, DTN Publications (Progressive Farmer)

Upcoming Soil Health Tour, May 26, 2016, Mick Kjar, Farm Talk 890

Cover Crops and Upcoming Soil Health Tour, May 17, 2016, Mick Kjar, Farm Talk 890

Cover Crops in a Dry Bean Rotation, May 17, 2016, Carah Hart, Red River Farm Network.

Cover Crop Status going into Planting, April 19, 2016, Don Wick, Red River Farm Network.

Soil Erosion and Cover Crops, April 14, 2016, Mick Kjar, Farm Talk 890.

Cover Crop Timing and Use in Saline Soils, April 11, 2016, Dan Lemke, ND Soybean Grower Magazine

Cover Crops – residue management, decomposition, March 31, 2016, Mick Kjar, Farm Talk 890

Soil testing – soil health, March 21, 2016, Kacey Birchmier, Successful Farming Magazine.

Cover crops between winter wheat crops in rotation, March 4, 2016, Bill Spiegel, Successful Farming Magazine

Inner seeding cover crops in corn-soybean rotation, March 3, 2016, Lon Tonneson, Dakota Farmer

Soil Health and Conservation Tillage, February 19, 2016, Carah Hart, RRFN

Strip Till and Cover Crops, February 19, 2016, Laura Moser, ETS Blog

Soil Health Sociology, February 18, 2016, Dan Lemke, ND Soybean Grower Magazine

Café Talk Update –Milnor and Arthur, February 16, 2016, Mick Kjar, Farm Talk 890

Erosion Control and Cover Crops, February 2, 2016, Ken Morgan, IFN

Cover Crop Discussion, February 2, 2016, Mick Kjar, Farm Talk 890

Café Talk Update – Milnor, January 4, 2016, Mick Kjar, Farm Talk 890

Café Talk Update, December 31, 2015, Don Wick, Red River Farm Network

CTC Wrap Up, December 23, 2015, Mick Kjar, Farm Talk 890

ND Soil Health Update, December 15, 2015, Susan Winsor, DTN/Progressive Farmer Magazine

Conservation Tillage, Cover Crops and Salinity, December 15, 2015, Mikkel Pates, AgWeek (TV and article)

Conservation Tillage Conference, December 15, 2015, Randy Koehnen, Red River Farm Network

Conservation Tillage in ND, December 7, 2015, Mick Kjar, Farm Talk 890

Cover Crops, December 1, 2015, Ken Morgan, IFN

Cover Crops in North Dakota, October 27, 2015, ND Soybean Grower Magazine (Dan Lemke)

Cover Crop Use at Toussaint Farm, October 27, 2015, AgWeek TV (Shawna Olson)

Cover Crops and Farmer Use, September 29, 2015, Dakota Farmer Magazine (Lon Tonneson)

Promoting Healthy Soil, September 28, 2015, Red River Farm Network

Soil Health and Associated Projects, September 24, 2015, Red River Farm Network (Don Wick)

Building Soil Health in North Dakota (Farmer Profile), September 23, 2015, Susan Winsor, Progressive Farmer Magazine (DTN).

Field Day Updates, September 22, 2015, Mick Kjar, Farm Talk 890.

Field Day Advertisement (Traill Co), September 21, 2015, Don Wick, Red River Farm Network.

Identifying Soil Health, September 10, 2015, Minnesota Soybean Growers Magazine.

Soil Health Indicators, September 10, 2015, Successful Farming Magazine.

Soil Health Indicators, September 10, 2015, Corn and Soybean Digest.

Annual Field Day Interview, September 9, 2015, Red River Farm Network.

Soil Health in ND – Interviewing Terry Wehlander, September 9, 2015, Gill Gullickson, Successful Farming Magazine.

Soil Health Discussion and Field Day Topics, August 21, 2015, Mick Kjar, Farm Talk 890.

September 9 Field Day Advertisement, August 26, 2015, Don Wick, Red River Farm Network.

Soil Health Discussion and Cover Crops, August 18, 2015, Mick Kjar, Farm Talk 890.

Farmer Adoption and Perception of Cover Crops, August 11, 2015, Shawna Aakre, MN Soybean Council Magazine.

Soil Health Discussion and Field Day Topics, August 10, 2015, Mick Kjar, Farm Talk 890.

Annual Field Day Topics and Soil Health, August 6, 2015, Dale Hildebrandt, Farm and Ranch Guide.

Annual Field Day Interview, August 6, 2015, Red River Farm Network.

Soil Health in ND, August 6, 2015, Gill Gullickson, Successful Farming Magazine.

Soil Health and Cover Crops, August 3, 2015, Mick Kjar, Valley News Live Ag Show.

August 6 Soil Health Field Day Advertisement, July 8, 2015, Don Wick, Red River Farm Network.

Cover Crops Help Keep Salts Lower in Soil, July 6, 2015, Red River Farm Network.

Soil Health Video and Web Resources, July 2, 2015, Mick Kjar, Farm Talk 890.

Soil Health Issues Farmers Should Watch Out For, July 1, 2015, Red River Farm Network.

Soil Health Update – Cover Crops, June 15, 2015, Mick Kjar, Farm Talk 890.

Farmers Find Healthy Soil Works for Crops Bottom Line, June 5, 2015 (filmed May 22, 2015), Dan Gunderson, Minnesota Public Radio.

Using Rye as a Cover Crop, May 15, 2015 (Filmed, aired: June 15, 2015; http://www.agweek.com/event/article/id/26780/publisher\_ID/80), coordinated filming of farm tour with Shawna Olson, AgWeek TV.

Cover Crops and Soil Health, February 10, 2015, Mick Kjar, Valley News Live Ag Show.

Ways to build soil health, December 17, 2014, Susan Winsor, Corn and Soybean Digest.

Conservation Tillage Conference Importance, December 16, 2014, KFGO.

Conservation Tillage Conference Importance, December 16, 2014, Randy Koenen, RRFN.

Conservation Tillage Conference Importance, December 16, 2014, Fox News Channel.

Conservation Tillage Conference, December 15, 2014, Mick Kjar, Farm Talk 890.

Conservation Tillage Conference, December 1, 2014, Mick Kjar, Farm Talk 890.

Conservation Tillage Conference, November 21, 2014, Don Wick, RRFN.

Cover Crops and Conservation Tillage Conference, November 19, 2014, Mick Kjar, Farm Talk 890.

Conservation Tillage Conference, November 11, 2014, Randy Koenen, RRFN.

Cover Crops and the Conservation Tillage Conference, October 16, 2014, Ken Morgan, IFN.

Cover Crop Use, October 16, 2014, Mick Kjar, Farm Talk 890.

Successful Farming Magazine Interview, September 24, 2014, Dee Goerge.

Salinity and Sodicity Management, September 17, 2014, KFGO.

Upcoming Soil Salinity Field Days, August 27, 2014, Mick Kjar, Farm Talk 890.

Upcoming Soil Salinity Field Days, August 25, 2014, Dale Hildebrandt, Farm and Ranch Guide.

Annual Soil Health Field Day, August 20, 2014, Rollie and Julie, KBMW, Mooreton, ND.

Annual Soil Health Field Day, August 18, 2014, Bill Dablow, KBMW, Wahpeton, ND.

Annual Soil Health Field Day, August 15, 2014, Shawna Olson, KFGO Radio, Tour to Mooreton and Delamere, ND.

Annual Soil Health Field Day, August 15, 2014, Wahpeton Daily News, Wahpeton, ND.

Annual Soil Health Field Day, August 15, 2014, Bill Dablow, KBMW, Wahpeton, ND.

Annual Soil Health Field Day, August 12, 2014, Mick Kjar, Valley News Live Ag Show.

Annual Soil Health Field Day, August 11, 2014, Mick Kjar, Farm Talk 890.

Annual Soil Health Field Day, August 8, 3014, Ken Morgan, IFN.

Annual Soil Health Field Day, August 6, 2014, Shawna Olson, KFGO.

Cover Crops Could Help Farmers Prep Wet Ground for Spring, July 29, 2014, Farm and Ranch Guide, Ryan Crossingham.

NDSU Extension, SNRS Meet Today’s Ag, Natural Resource Challenges, July 9, 2014, Farm and Ranch Guide, Sue Roesler.

Soil Health Discussion, KNOX Radio, February 27, 2014, at the Agassiz Tile Drainage Open House in Buxton, ND.

Salinity Update. AM 890 Ag News, Mick Kjar, February 20, 2014, Fargo, ND.

Ghost Salinity. IFN, Ken Morgan, February 19, 2014, Grand Forks, ND.

ND Reclamation Conference, Radio Interview, Farm Talk, KQLX-AM Ag News 890, January 17, 2014, Fargo, ND (phone).

No-Till and Soil Health, Radio Interview, Interstate Farm Network, Ken Morgan, January 3, 2014, Fargo, ND (phone).

SHARE Farm Update, Radio Interview, Interstate Farm Network, Ken Morgan, December 12, 2013, Grand Forks, ND.

Soil Health in the RRV Workshop, Television Interview, Valley News Live Ag Show, Mick Kjar, November 19, 2013 (aired November 22 and 25), Fargo, ND.

Facebook page/Coteau des Prairie Lodge Homepage, Phillip Breker, September 27, 2013.

Big Iron Farm Show, Newspaper article, FM Extra, Jamee Larson, August 28, 2013, via email.

Saline/Sodic Field Day, Magazine interview, Red River Basin Commission, Barbara Olive, August 27, 2013, via email.

Saline Soil Field Day in Grand Forks, Television Interview, Valley News Live Ag Show, Mick Kjar, August 20, 2013 (aired September 4-5), Fargo, ND.

SHARE Farm/Saline and Sodic Soil Field Day, Radio Interview, Red River Farm Network, Randy Koenen, August 22, 2013, Mooreton, ND.

SHARE Farm/Saline and Sodic Soil Field Day, Radio Interview, Interstate Farm Network, Ken Morgan, August 22, 2013, Mooreton, ND.

SHARE Farm Update and Tour Information, Television Interview, Valley News Live Ag Show, Mick Kjar, August 15, 2013 (aired August 20-22), Mooreton, ND.

Saline and Sodic Soil Field Tour, Wahpeton Daily News, August 14, 2013, Fargo, ND.

SHARE Farm, AgWeek, Mikkel Pates, August 12, 2013, Fargo, ND.

Saline and Sodic Soil Field Day Aug. 22 in Mooreton, ND, Farm and Ranch Guide, Dale Hildebrant, August 9, 2013, Fargo, ND.

SHARE Farm, KFGO radio interview, Shawna Olson, June 19, 2013, Mooreton, ND.

Precipitation Events and Salinity, Radio Interview, Ken Morgan, Interstate Farm Network, May 21, 2013, Fargo, ND.

Salinity Update for Spring, Television Interview with Mick Kjar, Valley News Live, May 21, 2013, Fargo, ND.

Soil Health Update, 2012. Interview with Dale Hildebrant, Farm and Ranch Guide, Northern Ag Expo, November 27, Fargo, ND.

NDSU Soil Science Team Tackles Saline, Sodic Soils, AgWeek, December 3, 2012.

Soil Health and Root Development, 2013. Interview with Ken Morgan, Interstate Farm Network, February 6, Best of the Best Soybean, Grand Forks, ND.

Reclamation Meeting Promotion, 2013. Interview with Ken Morgan, Interstate Farm Network, February 28, Soil Health Workshop, Grand Forks, ND.

Importance of Soil Health, 2013. Interview with Ken Morgan, Interstate Farm Network, February 28, Soil Health Workshop, Grand Forks, ND.

**MAGAZINE FEATURES**

***Total Features: 82 (State: 26; Regional: 23; National: 33)***

A Patient Approach to Soil Health: North Dakota farmer has a 35-year-old tale of change, Farm Journal, January 2020, Bonus Section (national)

Tortoise vs. Hare: Anthony Thilmony’s Patient Approach to Farming, Farm Journal, January 2020, online (national)

It’s Not Too Late to Learn New Soil Health Tricks, Successful Farming, December 14, 2019, online (national)

12 Soil Health Takeaways from the Inaugural DIRT Workshop, Successful Farming, December 13, 2019, online (national)

DIRT Workshop Slated for Fargo, North Dakota, December 9-11, Successful Farming, November 14, 2019, online (national)

DIRT Workshop to be Held in Fargo on Dec. 9-11, Farm and Ranch Guide, October 2019 (regional)

Soil Health Digest: 20 Things Every Farmer Needs to Know, Successful Farming, August 2019 (national)

North Dakota Podcast Promotes Soil Health, Successful Farming, August 12, 2019, online (national)

Report: Cover Crops Make Economic Sense, AgWeek, July 1, 2019 (regional).

Better, Not Bigger Necessity Leads to Benefits, The North Dakota Soybean Growers Magazine 8(3), June 2019, p. 16-17 (state).

Post Prevented Planting: How to Manage Prevented Planting Acres in 2019. Progressive Farmer Magazine, May 30, 2019, Emily Unglesbee (national).

Back to Basics for Soil Health. Women in Agribusiness Quarterly Journal, Volume 5, Issue 2, pages 6-9 (national)

2nd Annual Northern Corn and Soybean Expo a Hit for North Dakota Farmers. Corn Talk, ND Corn Growers, March/April 2019 (state).

Join the Soil Health Revolution, Successful Farming Magazine, March 8, 2019 (national).

Joint Expo Begins with a Bang! The North Dakota Soybean Grower Magazine, April, 2018 (state).

Go Green – Planting Soybeans into Standing Cereal Rye Provides an Excellent Seedbed, Curbs Erosion, and Maintains Yield Potential, Particularly on Heavy Soils. Successful Farming, February, 2018 (national).

Soybean Seedbed and Cover Crop (Toussaint Farms), Successful Farming, February 15, 2018 (national).

Soil Structure and Cover Crop, Successful Farming, February 13, 2018 (national).

Effects of Cover Crops in Sunflower, NDSU Soil Health Scientists Provide Preliminary Results of 2017 Interseeding Project. The Sunflower, February 2018 (national).

Northern Corn and Soybean Expo set for Feb. 13. Dakota Farmer, February 2018 (regional).

When and How to Terminate Cereal Rye, NDSU Soil Health Specialist Offers Eight Tips on Terminating the Cover Crop without Drying out the Soil. Dakota Farmer, January 17, 2018 (regional).

Cover Crops…Maybe? Chairman, Scott German article, Corn Talk, December/January 2018 (state).

How to Snap Slacker Soils into Shape (Wehlander Farm), Successful Farming, December 2017 (national).

No-Till, Covers Handle Traffic. No-Till Farmer, December 2017 (national).

Tile Drainage the Key to No-Tilling Heavy Clay (Overboe Feature; Wick not metioned). Dakota Farmer, December 2017 (regional).

Keeping it Simple (Wagner Farm; Wick not mentioned). The North Dakota Soybean Grower Magazine. December 2017 (state).

Right Crop for the Right Acre Helps Boost Yields, Soil Health (Wagner Farm Feature; Wick not mentioned). No-Till Farmer, November 2017 (national).

Soil SOS: Your Soil is Alive. What is it Trying to Tell You? Successful Farming, November 2017 (national).

The Power of Connection: Agricultural Extension in the Era of Digital Technology. The Chicago Council on Global Affairs. November 2017 (national).

Gain from Crop Diversity: Increase Variety in Crop Rotation to Boost the Overall Health of Your Field. Successful Farming, August 2017 (national).

Q & A: Abbey Wick, Soil Health Specialist, Soil Health Specialist Knows How to Connect with Farmers. Successful Farming, May 3, 2017 (national).

North Dakota Farmer Successfully Manages Heavy Clay Soils with Cover Crops, No-till (Toussaint Farm), Progressive Farmer, March 2017 (national).

Cornvention 2017 Deemed a Success, Corn Talk, March/April, 2017 (state).

No-Till Transition, Underground Movement – 6 (Vinje Farms), Progressive Farmer, March 2017 (national).

Tackle Tight Clay, Underground Movement – 13 (Toussaint Article), Progressive Farmer, March 2017 (national).

Red River Valley No-Till Flowers and Cover Crops. The Sunflower, January, 2017 (national).

Advice for Cover Crop Success, Dakota Farmer, January, 2017 (regional).

CRP to Corn, Successful Farming Magazine, November, 2016 (national).

Early Cover Crops in Corn, Planting a Cover Crop Early while Adding Fertilizer Works for these North Dakota Brothers. Successful Farming Magazine, October, 2016 (national).

Soil Health Tour, Corn Talk, September/October, 2016 (state).

Big Iron Farm Show, Corn Talk, September/October, 2016 (state).

Farm Soil Like a Crop, Corn and Soybean Digest, September, 2016 (national).

Questions about Soil Health?, The North Dakota Soybean Growers Magazine, August, 2016 (state).

How to Deal with Saline and Sodic Soils. Successful Farming, July 5, 2016 (national).

Keeping Soil Covered. ND Soybean Growers Magazine, 2016 (state).

Interseeding Cover Crop Q&A. Dakota Farmer, May 2016 (regional).

A Cup of Coffee Inspires Soil Health Conversations. NDSU Extension Annual Highlights, 2016 (state).

New Research Focuses on the Relationship between Soil Salinity and Crop Pests. NDSU Extension Annual Highlights, 2016 (state).

Two Important Steps to Building Soil Health, No-Till Farmer Magazine, January 2016 (national).

Give Your Soil Breathing Room with Shallow Tillage, Minnesota Cornerstone Blog, December 22, 2015 (cooperating farmer, T. Wehlander featured; state).

Soybean Business: Soil Organic Health, Minnesota Soybean, December 29, 2015 (state).

Soil Health Has it Benefits: Better Understanding of Soil Organic Matter can Help Improve Soybean Production. APS Crop Protection and Management Collection/United Soybean Board Press Release, December 28, 2015 (national).

Conservation Tillage Conference a Platform for Tillage Practice Discussion. Minnesota Soybean, December 17, 2015 (state).

More Farmers Use Cover Crops to Counter Salinity. AgWeek, December 17, 2015 (regional).

Field Day Showcases Tillage and Technology Options. Minnesota Soybean Magazine, September 14, 2015 (state).

Tech Takes Tillage to the Next Level, agrinews.com, October, 2015 (national).

Faster Fix for Soil Salinity, Dakota Farmer, October 2015 (regional).

Large Number Turn Out for the Soil Health Field Day, Farm and Ranch Guide, September 18, 2015 (regional).

Amazing Results Already Seen Thanks to the Soil Health Program. North Dakota Irrigation Frontier, July 2015 (state).

Soil Sage: North Dakota’s Abbey Wick Shares Her Passion for Soil Health. Successful Farming, May, 2015 (Bonus Section; national).

Consider a Cover Crop. North Dakota Soybean Grower Magazine, September 2014 (state).

NDSU Extension Service Soil Health Field Day. Corn Talk, August/September 2014 (state).

SHARE Talk: local relationships and relevancy. NDSU Extension Blog, March 27, 3014 (state).

Conference Discusses how Soil can be Reclaimed after Oil Development. Farm and Ranch Guide, February 17, 2014 (regional).

Field Scale Research at the SHARE Farm. Prairie Grains: Building Opportunities by Association, pp. 16-18, February 2014, Issue 132 (regional).

Welcome to the SHARE Farm, Red River Basin Communications, Barbara Olive, October 5, 2013 (regional).

Soil Salinity Field Day Set For Sept. 5 near Grand Forks, Farm and Ranch Guide, Dale Hildebrant, August 28, 2013, Grand Forks, ND (regional).

Corn Growers, NDSU Set Large Soil-Salt Study, Grand Forks Herald, August 13, 2013 (state).

NDSU Demonstrations Featured at Big Iron, Farm and Ranch Guide, August 9, 2013 (regional).

Saline and Sodic Soil Field Day Set for Aug. 22 in Mooreton, ND, Aberdeen News, July 26, 2013 (regional).

Creating a Field of Dreams, The Dickinson Press, March 15, 2013 (state).

Soil is Where it Starts, The Dickinson Press, March 1, 2013 (state).

ND Workshop Looks at Soil Health, AgWeek, February 28, 2013 (regional).

APUC to Review Funding Requests Totaling $287,757, Farm and Ranch Guide, February 17, 2013 (regional).

Precision Ag Summit to Explore a Wide Range of Topics. Farm and Ranch Guide, January 20, 2013 (regional).

Annual Western Dakota Crops Day set for Dec. 13. Farm and Ranch Guide, December 3, 2012 (regional).

Northern Ag Expo Ready to Launch its 42nd Annual Show, Farm and Ranch Guide, November 27, 2013 (regional).

NDSU Initiative in Northern Ag Expo Spotlight, AgWeek, November 26, 2012 (regional).

Big Iron Field Demonstrations to Focus on a Variety of Topics, September 7, 2012 (regional).

NDSU Demonstrations Featured at Big Iron, Farm and Ranch Guide, August 9, 2012 (regional).

**GRADUATE STUDENTS**

**Brady Goettl,** July 2020 – current, barley fertility and soil health (co-advised Franzen)

**Samuel Bibby,** June 2020 – current, mycorrhizal fungal assocations with alfalfa (co-advised Berti)

**Luke Ressler,** September 2018,Grazing and Cover Crops

**Kirsten Butcher**, May 2014 – July 2016, salinity gradient and crop response (co-advised DeSutter)

**Rebecca Schewe**, June 2014 – SHARE Farm (co-advised with Casey)

**Chandra Heglund (Langseth)**, May, 2013 – December 2015, Salinity Gradient Effects on Corn and Soybean

**Matt Fedje**, May 2013 – December 2013 - Salinity and Landscapes

**GRADUATE COMMITTEES**

**Sailesh Sigdel,** May 2019 - current. Cover Crops and Sugarbeet (Soil Science, Chatterjee)

**Kory Johnson**, January 2017 – April 2020. Interseeding Cover Crops in Soybean (Plant Sciences, MS, Kandel)

**Melissa Geiszler**, May 2016 – October 2018. Cover Crops (Plant Sciences, MS, Ransom)

**Peter Obrien**, 2014 – 2018. Soil Remediation following Oil Spills (Soil Science, PhD, DeSutter)

**Samantha Ritter**, 2015 – 2017. Soil Remediation following Oil Spills (Soil Science, MS, DeSutter)

**Michael Langseth**, December 2015. No-Till Soil Health (Soil Science, MS, Daigh)

**Jaclyn Eichle**, June 2014 – December 2016. Pest Pressures and Salinity (Entomology, MS, Harmon)

**Aaron Klaustermeier**, May 2014 – May 2016. Brine Spills in the Bakken (Soil Science, Daigh)

**Theresa Reinhardt**, May, 2014 – May 2016. (Weed Science, Zollinger)

**Resham Thapa**, June, 2014 – May 2016. Saline Soil Remediation (Soil Science, Chatterjee)

**Maria Breker**, July, 2014 – May 2016. Sodic Soil Remediation (Soil Science, DeSutter)

**Stefanie Bohrer**, June 2014 – May 2016. Coal Mine Reclamation (NRM, Limb)

**TEACHING AND MENTORING EXPERIENCE**

*2013-Current North Dakota State University Fargo, ND, USA*

*Graduate Advisor*

I currently advise a grant-funded full time technician, two hourly workers and two MS graduate students in the area of soil health.

*2008-2012 Virginia Tech Blacksburg, VA, USA Guest Lecturer*

Introductory Soil Science – Lecture series on Soil Ecology to a mixed group of non-science and science majors (75 students)

Land Reclamation Science – Lecture series on Western US Reclamation (40 students)

Plant Materials for Environmental Restoration – Lecture on vegetation succession and soil development and assessment following coal mining to a diverse group of students from landscape architecture, plant science and environmental sciences departments (30 students)

Field Day for Course on Environmental Restoration – Co-taught with Abaye on vegetation assessment techniques for production, cover and composition/diversity in the Powell River region of Virginia (2009; 30 students)

*Mentor*

I mentored three undergraduate students (one per year) on a variety of research projects, including biological assessment and organic matter dynamics on reclaimed coal mine soils and plant-soil relations for remediated saline dredge materials. Each student was responsible for experimental and sampling design, implementation of the research, lab and statistical analyses and presentation of results in a scientific paper and/or national conference.

*2004-2007 University of Wyoming Laramie, WY Guest Lecturer*

Soils and Environmental Quality – Lectured on mine land reclamation and facilitated discussions on environmental issues on several occasions (30 students)

Mine Land Reclamation and Restoration Ecology Course – Lectured on specific research topics relevant to reclamation in the western United States (20 students)

Soil Genesis and Morphology – Lectured on the recovery of soils in severely disturbed ecosystems. Also, led occasional field trips which were 4 hours in length to demonstrate soil classification techniques in the Laramie Basin of Wyoming (60 students in lecture, 30 students on each field trip)

*Lead Teaching Assistant*

Introduction to Soils – Developed, coordinated and taught four lab sections on basic soil property analyses and concepts. Each lab started with a 30 minute lecture covering the appropriate background material for the lab (30 students per lab section)

*Mentor (Student Research Apprenticeship Program)*

Funded by Wyoming NSF EPSCoR, this is a program where high school students are exposed to research in a college setting. Each summer, I mentored one student where we designed a research project, collected samples, conducted lab work and data analysis, wrote a scientific paper and presented the research at a symposium.

*2001-2003 University of Denver Denver, CO*

*Lecturer*

Physical Geography of Canyonlands - Field course co-taught while canoeing down the Green River north of Moab, UT (15-20 students, taught 2 consecutive years)

Natural History of the Black Hills - Field course co-taught in the Black Hills, SD (15 students; taught 2 consecutive years)

Lead Teaching Assistant

Our Dynamic Earth - Core course for non-science majors covering atmospheric sciences/meteorology, hydrology, and geology (120 students in lecture and 30 students per lab section)

Natural Resource Management - Upper division course (25 students)

*2000-2001 National Park Service Florissant, CO*

*Park Ranger/Educator*

I typically gave three interpretive talks per day to visitors followed by a one hour hike around the park. We covered geologic history, current ecosystem dynamics, management and cultural history of the park (20-30 people ranging in age from children to adults)

**ADDITIONAL PROFESSIONAL EXPERIENCE**

*April 2020 Grow More Training Online*

*Program Delivery Training*

*National Wildlife Federation, Sustainable Food Lab*

National webinar training with 15 individuals who are part of the Sustainable Food Lab group (invited) to discuss social and science based program development on soil health.

*December 2015 NDSU Fargo, ND 58108*

*Extension Evaluation Training*

*Jean Haley*

Attended a one day workshop on evaluation and survey development. This was offered through NDSU Extension and an outside specialist was brought to NDSU to lead the training.

*December 2011 CSU-NREL Ft. Collins, CO 80523*

*Century/DayCent Training Workshop*

*William Parton (970-491-1965;* *billp@nrel.colostate.edu**)*

Attended a five day workshop on the Century series models (Century4.6, DayCent, ForCent, and PhotoCent). Underlying ecological theory and objectives were covered along with hands on use of the models.

*November 2011 VAPSS/MAPSS Fredericksburg, VA 22401*

*Acid Sulfate Soils: Recognition, Remediation and Impact Prevention*

*W. Lee Daniels (540-231-7175; wdaniels@vt.edu)*

Attended a one-day field course on acid sulfate soils in northern Virginia and Maryland.

*June 2011 USDA-ARS-NGPRL Mandan, ND, 58554*

*Visiting Scientist/Collaborator*

*1701 10th Avenue SW*

*Rebecca Phillips (701-667-3002;* *rebecca.phillips@ars.usda.gov**)*

Research included evaluation of root and soil aggregate influences on trace gas emissions with depth (1 m) under different management types (agricultural field and undisturbed). Research involves modeling of CO2, N2O and CH4 production for in-field gas wells at various depths along with evaluation of soil properties. Additional collaborators include scientists at Woods Hole Research Center, Falmouth, MA.

*May 2011 Shimadzu Training Columbia, MD 21046*

*Martin Smith (1-800-477-1227 x1932;* *mdsmith@shimadzu.com**)*

I attended a five day training course covering information on the Shimadzu GC 2014 greenhouse gas analyzer, Combi-pal autosampler and GC Solutions software. Both theory and mechanical operation concepts were covered as well as sample preparation.

*October 2009, September 2010 USDA-ARS-NGPRL Mandan, ND, 58554*

*Visiting Scientist/Collaborator*

*1701 10th Avenue SW*

*Rebecca Phillips (701-667-3002;* *rebecca.phillips@ars.usda.gov**)*

*Mark Liebig (701-667-3079; mark.liebig@ars.usda.gov)*

I developed and implemented an incubation experiment measuring biogenic trace gas emissions under simulated spring-thaw and winter-freeze conditions from various depths of intact Mollisol cores. I also was exposed to two eddy covariance systems to track ecosystem fluxes of CO2 and water vapor.

*June 2002-July 2004 BKS Environmental Assoc, Inc. Gillette, WY, 82717*

*Consultant (summer hire)*

*PO Box 3467*

*Brenda Schladweiler (307-686-0800; bschladweiler@bksenvironmental.com)*

Work involved soil descriptions and vegetation sampling on currently mined and undisturbed lands in the Powder River Basin, coal bed natural gas development areas, abandoned mined lands and bond release sites in Wyoming and Montana.

*August 2001 NADFW Saltillo, Coahuila, Mexico*

*Attendee*

*Group leader: Paul Sheppard (520-621-8229;* *sheppard@ltrr.arizona.edu**)*

I attended the 11th annual North American Dendroecological Field Week (NADFW) at the Universidad Autónoma Agraria. This field week was attended by approximately 50 international scientists. http://dendrolab.indstate.edu/nadef/

*June 2000-September 2001 National Park Service Denver, CO, 80210*

*Park Ranger and GIS Specialist*

*Internship*

I worked as a summer intern at the Florissant Fossil Beds National Monument, Florissant, CO (2000). I also worked on access databases and digitized geologic maps using ArcView 3.2 and ArcInfo (2001).

**AWARDS & SCHOLARSHIPS (WICK, COOPERATING FARMERS, STUDENT)**

US Ag Senate Committee, Nomination for “Women in Agriculture” representative for the state of North Dakota – Senator Hoeven, March 2018 (national).

Conservation Legacy Awards, Terry Wehlander, Milnor, ND (nominated by Wick), American Soybean Association, Commodity Classic, February 28 - March 1, 2018 (national).

3rd Place in the ND Corn Growers Photo Contest – Green and Gold: Cover Crops Inter-seeded in Corn, February, 2017 (state).

Friend of the Soil Award, Conservation Tillage Conference, December 2016 (regional)

International Certified Crop Advisor Award, Nomination for Lee Briese, March 2017, wrote letter of support (international).

Good Steward via National Corn Growers Association, Nomination for Joe Breker through the ND Corn Council, March 2017. Wrote letter of support (national).

Myron and Muriel Johnsrud Excellence in Extension/Outreach (Early Career Extension Award), NDSU College of Agriculture, December 2015 (university).

ASA Educational Materials Awards Program, NDSU Soil Health and Land Management Video Library, November 2015 (national).

Frank Bain Graduate Student Scholarship, Kirsten Butcher, North Dakota State University, $1,600, Summer 2015 (university).

Frank Bain Graduate Student Scholarship, Rebecca Schewe, North Dakota State University, $1,600, Summer 2015 (university).

Conservation Legacy Awards, Terry Wehlander, Milnor, ND (nominated by Wick), American Soybean Association, Commodity Classic, March 3-5, 2016 (national).

No-Till Innovator Awards, Mitch and Andy Hoenhause, Lisbon, ND (nominated by Wick), National No-Till Conferences, Indianapolis, IN, January 2016 (national).

No-Till Innovator Awards, Dave Franzen, Fargo, ND (nominated by Wick and DeSutter),

National No-Till Conference, Indianapolis, IN, January 2016 (national).

North Dakota Soybean Graduate Student Scholarship (awarded to Rebecca Schewe, MS Student), University Award through the College of Agriculture, Food Systems and Natural Resources General Scholarship Committee, $4,000, April 2015 (state).

Merit Award, Soil and Water Conservation Society, July 2015 (national).

7th Annual Responsible Nutrient Management Practitioners Recipient, Joe Breker, Havana, ND (nominated by **Wick**), National No-Tillage Conference, Cincinnati, OH, January, 2015 (national).

North Dakota Water Resources Research Institute Fellowship Award, Recipient: Rebecca Schewe (MS Student), $4,800, 2015-2016 (state).

Service Award to the NDSU Soil Health Program, ND Chapter of the Soil and Water Conservation Society, December, 2014 (state).

Professional Development Support Program (awarded to Chandra Heglund, MS Student), North Dakota SARE, $1,500, August, 2014 (state).

Enoch B. and Ruth E. Norum Scholarship (awarded to Chandra Heglund, MS Student), North Dakota State University Soil Science, August, 2014 (university).

National Harold-Kay Scholl Excellence in Conservation Award through the Soil and Water Conservation Society, $1,000, July 2014 (national).

2nd Annual Future Leaders in Science Award (awarded to Chandra Heglund, MS Student), National Award through Soil Science Society of America, March, 2014 (national).

North Dakota Soybean Graduate Student Scholarship (awarded to Chandra Heglund, MS Student), University Award through the College of Agriculture, Food Systems and Natural Resources General Scholarship Committee, April 2014 (state).

Persistence and Vision Award for Efforts at the SHARE Farm, ND Corn Utilization Council and Growers Association, February 20, 2014 (state).

Nominated for the NDSU Extension Program in Excellence Team Award for the Soil Health Program by Frank Casey (Director of the School of Natural Resource Sciences), August 2013 (state).

Nominated for the “Vance Publishing 40 Under Forty” award by Greg LaPlante (ND Corn

 Council) <http://www.vancepublishing.com/40-under-40>, July 2013 (national).

American Society of Mining and Reclamation Memorial Scholarship for PhD Students, $1,300, June 2007 (national).

Second place, student presentations at the American Society of Mining and Reclamation Meeting, $200, June 2007 (national).

Third place, student presentations at the Billings Land Reclamation Symposium, $100, June 2006 (national).

Best oral presentation in session for University of Wyoming Graduate Symposium, April 2006 (university).

American Society of Mining and Reclamation Memorial Scholarship for MS Students, $1,000, June 2005 (national).

Third place, student presentations at the American Society of Mining and Reclamation Meeting, $100, June 2005 (national).

Best poster in session, University of Wyoming Graduate Symposium, April 2005 (university).

Plummer Scholarships from the School of Environment and Natural Resources at the University of Wyoming, $3,400, August 2004-May 2007 (university).

Minority/Women Graduate Assistantship at the University of Wyoming, $33,366, September 2004-May 2007 (university).

Dr. Robert D. Rudd Memorial Award for Outstanding Graduate Student of 2004 in the Geography Department at the University of Denver, $100, June 2004 (university).

Teaching assistantship at the University of Denver, $60,204, September 2001-June 2003 (university).

Outstanding Women in Geoscience Awards for students from Colorado, New Mexico, South Dakota and Wyoming Colleges and Universities from the Association for Women Geoscientists, April 2001 (regional).

Partners in Scholarship award, $1,500, September 2000 (university).

Keck Scholarship, $3,000, June-August 2000 (university).

**SERVICE**

**Current:**

2020: **Extension Fall Conference,** planning committee (University level)

2020: **NDSU Provost Hiring Search Committee,** representing Extension and College of Agriculture (University level)

2019-Current: **Sustainable Food Lab**, member (national; invited)

2019-2021: **Crops and Soils Magazine**, Northern Great Plains Regional Editor, ASA Publication (regional

2017 - 2021: **Red River Zoo Board of Directors** (state)

2017 - 2021: **Red River Zoo Event Planning** **Committee** (state)

**Prior:**

2020: **30 Under 30 Award** Judge, Tim Hammerich/Ag Grad (national)

2019: **NDSU Technician** search committee Berti (College level)

2019: **30 Under 30 Award** Judge, Tim Hammerich/Ag Grad (national)

2019: **American Society of Mining and Reclamation**, request to run for President (national; declined)

2019: **SARE Graduate Student** **Grant** Proposal reviewer (national)

2018: **Soil Health Institute**, request to chair the Extension/Outreach committee (national, declined)

2018: **SARE Graduate Student Grant** Proposals reviewer (national)

2016: **ASA Audiovisual Extension** awards reviewer (national; lead)

2015-2017 **ND Chapter of the Soil and Water Conservation Service**, Membership and Student Chapter Chair (state)

2014-2015: **ND Corn Grower Innovation Challenge**, Co-advisor for AgEMT group (state)

2014: **NDSU Graduate Student Ombudsman** Planning Committee, School of Natural Resource Sciences (School level)

2013-2018: **Conservation Cropping Systems Project** (CCSP) Farm, advisory (state)

2013: **American Society of Mining and Reclamation**, request to run for President (national; declined)

2013: **SSSA, Division S-6, Graduate student** award committee (national)

2013: **NDSU Review of Dean Grafton**, committee member, represented SNRS (University level)

2013: **NDSU Co-chair Extension Committee**, Program Review for School of Natural Resource Sciences (School level)

2013: **Sen. Hoeven** **request** co-chair of Senate Soil Caucus with the Soil Science Society of America, commitee (state)

2013: **NDSU Soil Testing Lab Manager**, search committee (School level)

2013: **NDSU post-doctoral** search committee, Souris River Project (School level)

2012-2013: **NDSU Student Soil Science Club**, co-advisor (School level)

**PROFESSIONAL MEMBERSHIPS, TRAINING AND COMMITTEES**

**National Association of Realtors** (2015-present)

**National Corn Growers Association** (2013-present)

**American Society of Agronomy** (2012-present)

**Soil Ecology Society** (October 2006-present)

**American Society of Mining and Reclamation** (ASMR, December 2003-present)

**Soil Science Society of America** (August 2003-present)

**Mine Safety and Health Administration** (MSHA) trained (2002-2007)

**Women Geoscientists of America** (June 2001-2007)

**ASMR National Executive Committee** (NEC) 2008-2011 - elected to this position (youngest member elected)

**ASMR Web Development Committee** 2009-2010 – co-chair

**ASMR Early Career Members Committee** 2009 to 2012 – founder and chair

**ASMR National Meeting Planning Committee** 2005, 2007, 2008

Coordinator for the ASMR Early Career social event in Pittsburgh, PA (2010, raised $4000, 75 people) and the 2011 social event (raised $2600, 55 people) and field tour (to ARS-NGPRL, 15 people) in Bismarck, ND.

**FOREIGN TRAVEL**

Aruba, Australia, British Virgin Islands, Canada, Chile, Costa Rica, Denmark, Fiji, Greece, Italy, Mexico, Norway, Sweden, Turkey and Venezuela

**PROFESSIONAL REFERENCES**

Dr. Rob Myers

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