

# Posters

375 Borlaug Hall

- P1. Nitrogen-15 and Natural Abundance C-13 Changes Under Different Tillage, Residue and Fertilizer Management.**  
M.F. Layese\*<sup>1</sup>, C. E. Clapp<sup>2</sup>, R.R. Allmaras<sup>2</sup>, J.A.E. Molina<sup>1</sup>, D.R. Linden<sup>2</sup> and R.H. Dowdy<sup>2</sup>  
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- P2. Degradation of Lignin Model Compounds by Singlet Oxygen**  
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- P3. Thermodynamic Sorption Values of PAHs to SOM**  
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- P4. Investigations of Aromatics in Humic Acids by Solid-state NMR**  
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- P5. Characterization of <sup>15</sup>N Labeled Humic Acids from a Nitrogen-tillage-residue Field Experiment**  
R.S. Vial<sup>1\*</sup>, C.E. Clapp<sup>2</sup>, M.H.B. Hayes<sup>3</sup>, G. Brunetti<sup>4</sup>, C.M. Hormann<sup>1</sup>, J. Mao<sup>5</sup>, J.A.E. Molina<sup>1</sup>, & C.M. Van Patten<sup>1</sup>  
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- P6. Nitrogen Transformations During a Long-term Incubation**  
D.T. Lee<sup>1\*</sup>, C.E. Clapp, J.A.E. Molina, M.F. Layese, M.A. Miller, M.H.B. Hayes, A.J. Palazzo, and R.H. Dowdy  
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- P7. Comparison of CP-MAS  $^{13}\text{C}$  NMR Spectra of Aquatic Humics Isolated using Hydrophilic (DEAE-Cellulose) and Hydrophobic (XAD-8) Adsorbents**  
Abdul R. Khwaja\*<sup>1</sup>, Patrick Brezonik<sup>2</sup>, Paul Bloom<sup>3</sup>, Bin Chen<sup>4</sup> and Eric Munson<sup>5</sup>  
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- P8. Quinone Mediated Reduction of Dinitroaniline Herbicides in Homogeneous Aqueous Solution**  
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